FIG.1

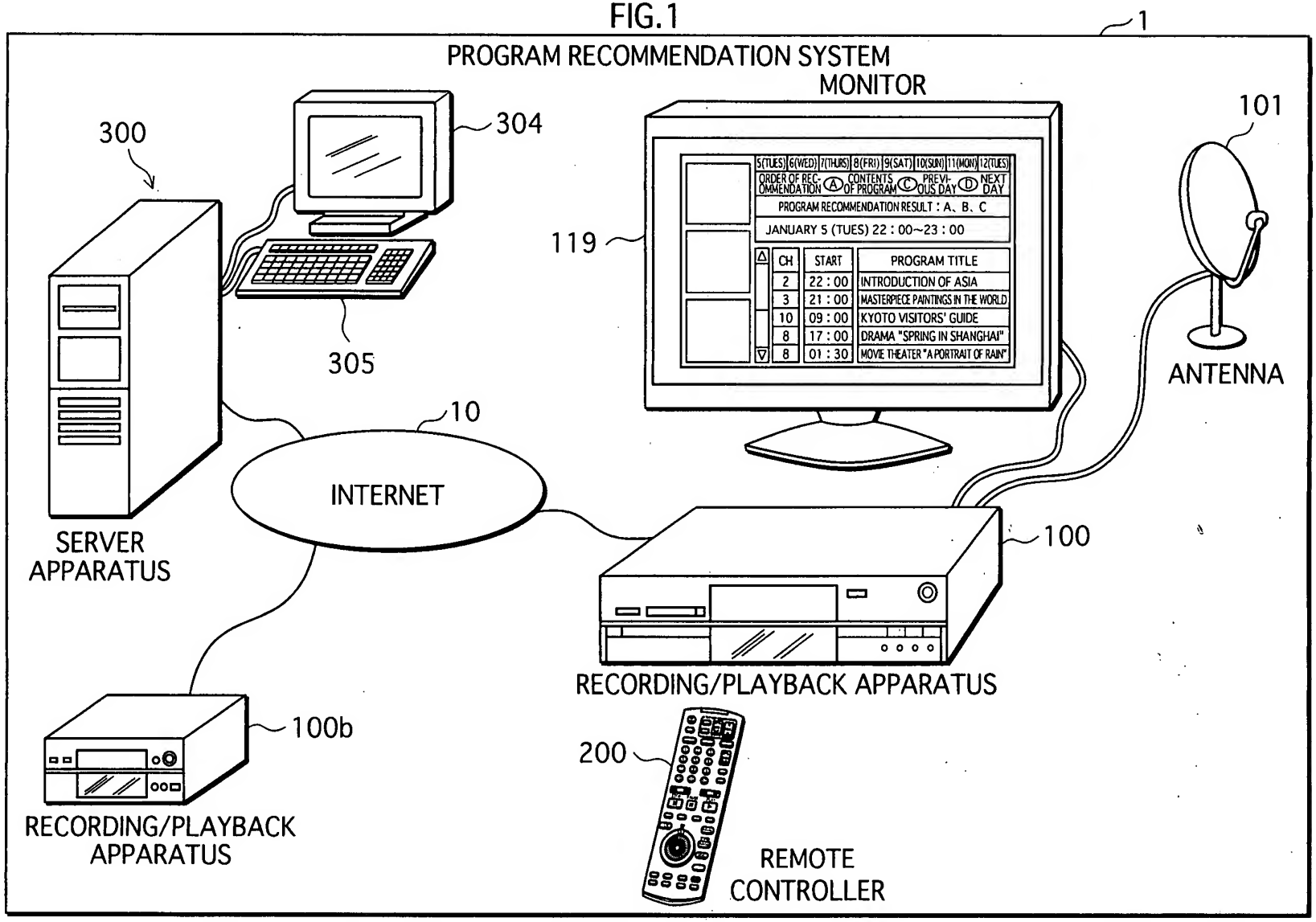

1
PROGRAM RECOMMENDATION SYSTEM
MONITOR
300
304
305
119
101
ANTENNA
5(TUES) 6(WED) 7(THURS) 8(FRI) 9(SAT) 10(SUN) 11(MON) 12(TUES)
ORDER OF RECOMMENDATION
Ⓐ CONTENTS OF PROGRAM
Ⓒ PREVIOUS DAY
Ⓓ NEXT DAY
PROGRAM RECOMMENDATION RESULT : A、B、C
JANUARY 5 (TUES) 22 : 00~23 : 00
CH START PROGRAM TITLE
2 22 : 00 INTRODUCTION OF ASIA
3 21 : 00 MASTERPIECE PAINTINGS IN THE WORLD
10 09 : 00 KYOTO VISITORS' GUIDE
8 17 : 00 DRAMA "SPRING IN SHANGHAI"
8 01 : 30 MOVIE THEATER "A PORTRAIT OF RAIN"
10
INTERNET
SERVER APPARATUS
100
RECORDING/PLAYBACK APPARATUS
100b
RECORDING/PLAYBACK APPARATUS
200
REMOTE CONTROLLER

FIG.2

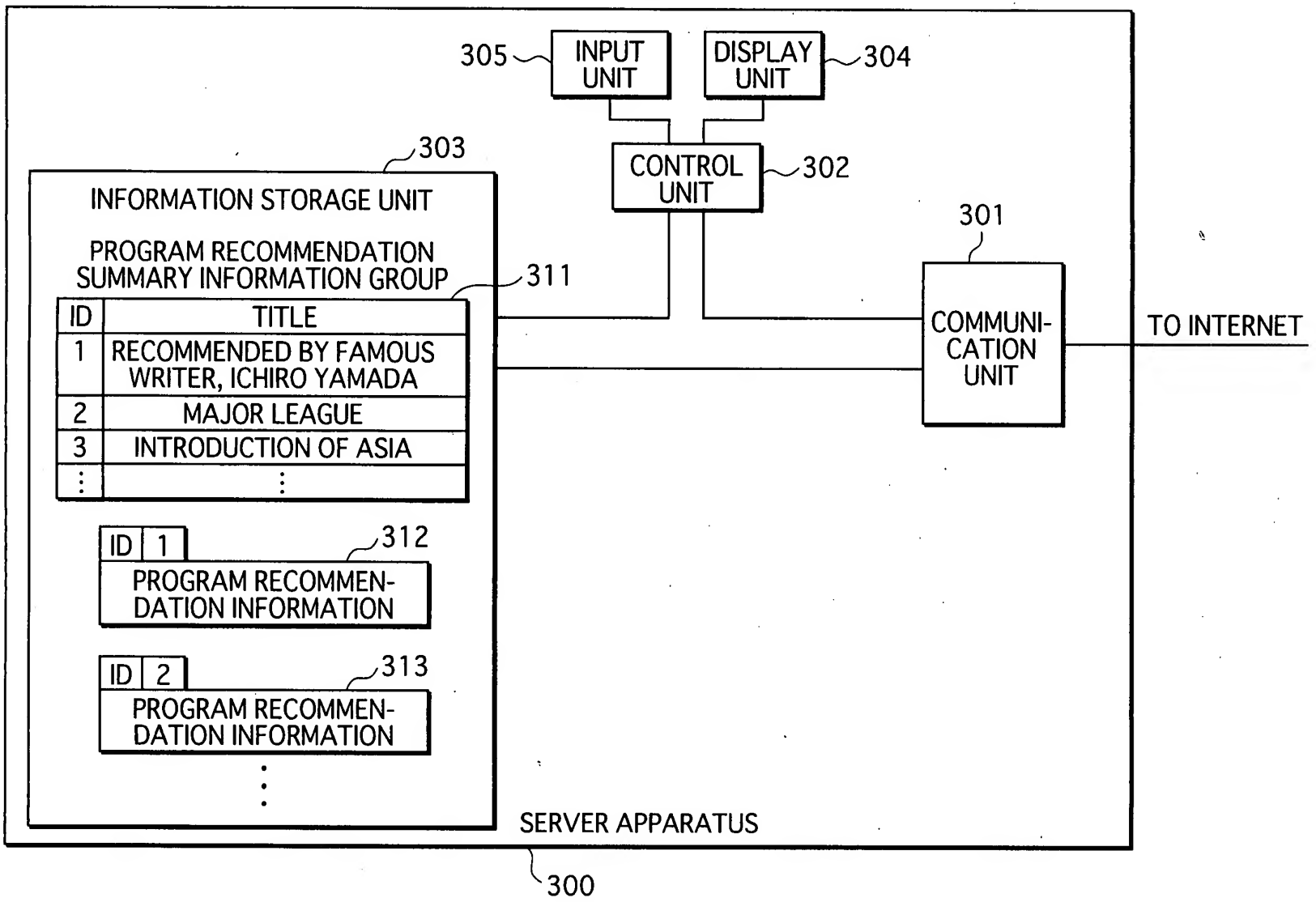

305
INPUT UNIT
DISPLAY UNIT
304
303
CONTROL UNIT
302
301
INFORMATION STORAGE UNIT
PROGRAM RECOMMENDATION SUMMARY INFORMATION GROUP
311
ID
TITLE
1
RECOMMENDED BY FAMOUS WRITER, ICHIRO YAMADA
2
MAJOR LEAGUE
3
INTRODUCTION OF ASIA
COMMUNI-CATION UNIT
TO INTERNET
ID 1
312
PROGRAM RECOMMEN-DATION INFORMATION
ID 2
313
PROGRAM RECOMMEN-DATION INFORMATION
SERVER APPARATUS
300

FIG.3

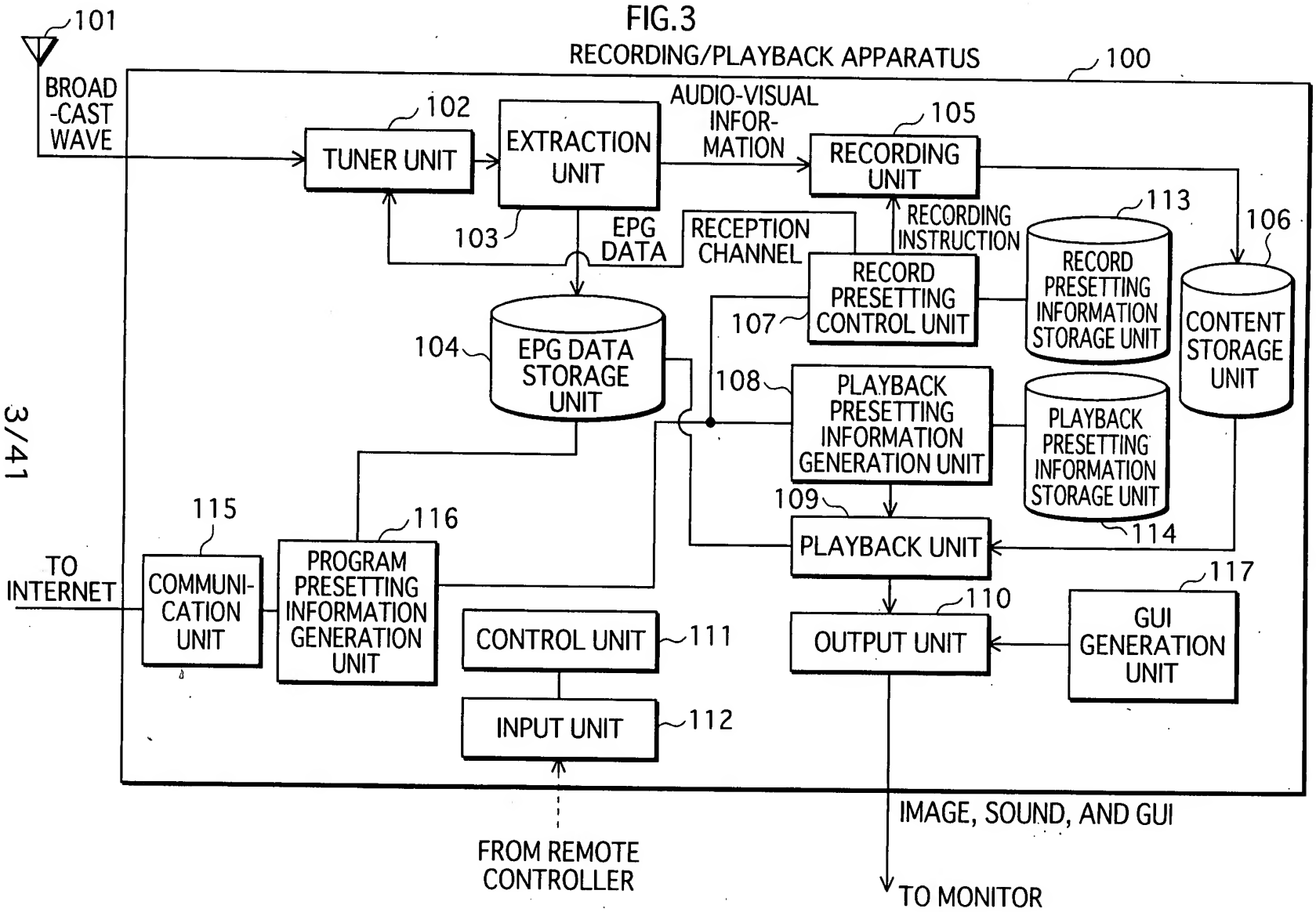

101
BROAD
-CAST
WAVE
RECORDING/PLAYBACK APPARATUS
100
102
TUNER UNIT
EXTRACTION
UNIT
AUDIO-VISUAL
INFOR-
MATION
105
RECORDING
UNIT
103
EPG
DATA
RECEPTION
CHANNEL
RECORDING
INSTRUCTION
113
RECORD
PRESETTING
INFORMATION
STORAGE UNIT
106
CONTENT
STORAGE
UNIT
RECORD
PRESETTING
CONTROL UNIT
107
104
EPG DATA
STORAGE
UNIT
108
PLAYBACK
PRESETTING
INFORMATION
GENERATION UNIT
PLAYBACK
PRESETTING
INFORMATION
STORAGE UNIT
109
114
115
116
PLAYBACK UNIT
TO
INTERNET
COMMUNI-
CATION
UNIT
PROGRAM
PRESETTING
INFORMATION
GENERATION
UNIT
117
110
CONTROL UNIT
111
OUTPUT UNIT
GUI
GENERATION
UNIT
INPUT UNIT
112
IMAGE, SOUND, AND GUI
FROM REMOTE
CONTROLLER
TO MONITOR

FIG.4

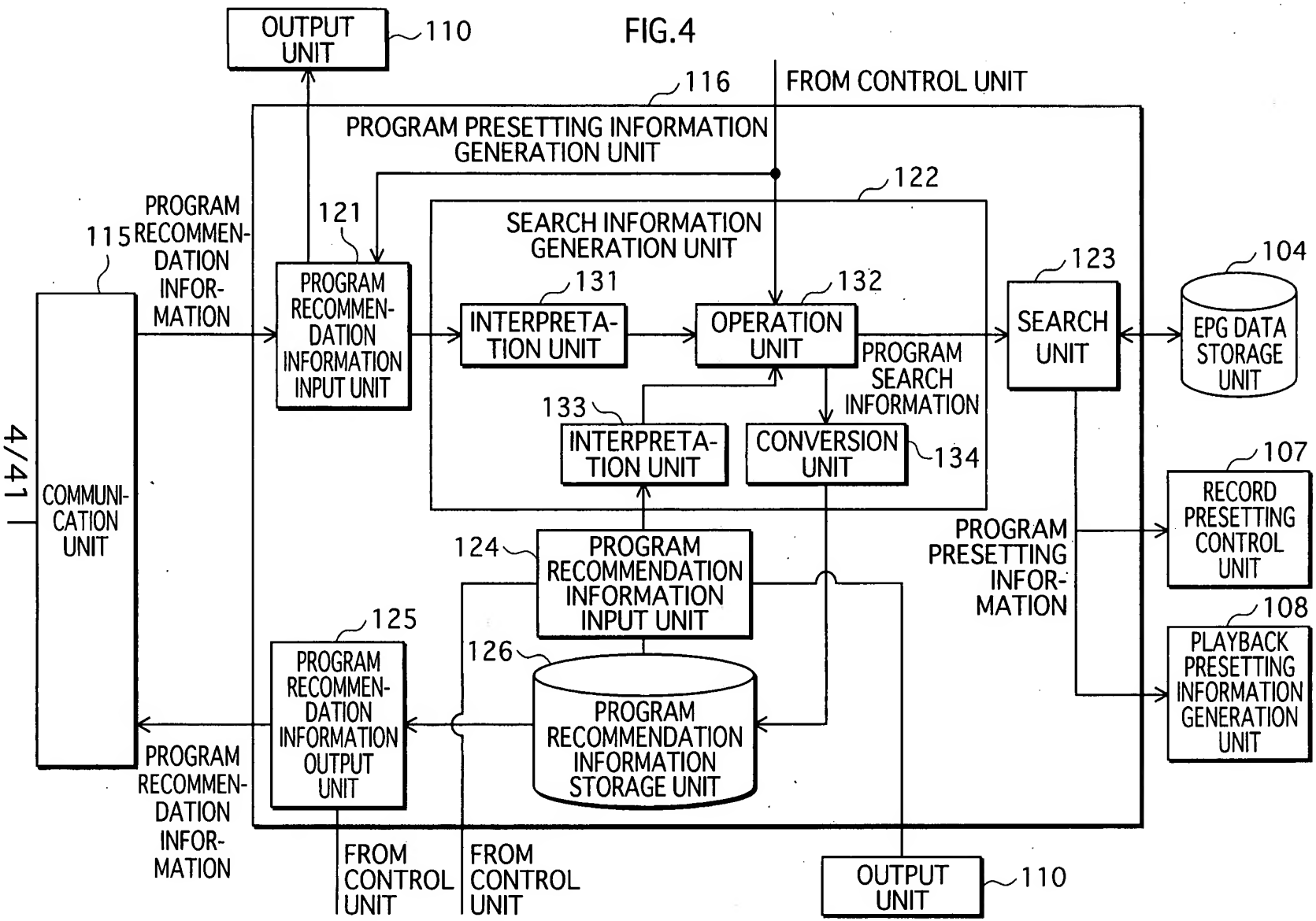

OUTPUT UNIT
110
116
FROM CONTROL UNIT
PROGRAM PRESETTING INFORMATION GENERATION UNIT
122
SEARCH INFORMATION GENERATION UNIT
121
PROGRAM RECOMMENDATION INFORMATION
115
PROGRAM RECOMMENDATION INFORMATION INPUT UNIT
131
INTERPRETATION UNIT
132
OPERATION UNIT
123
SEARCH UNIT
104
EPG DATA STORAGE UNIT
PROGRAM SEARCH INFORMATION
133
INTERPRETATION UNIT
CONVERSION UNIT
134
107
RECORD PRESETTING CONTROL UNIT
PROGRAM PRESETTING INFORMATION
124
PROGRAM RECOMMENDATION INFORMATION INPUT UNIT
108
PLAYBACK PRESETTING INFORMATION GENERATION UNIT
125
126
PROGRAM RECOMMENDATION INFORMATION OUTPUT UNIT
PROGRAM RECOMMENDATION INFORMATION STORAGE UNIT
COMMUNICATION UNIT
PROGRAM RECOMMENDATION INFORMATION
FROM CONTROL UNIT
FROM CONTROL UNIT
OUTPUT UNIT
110

FIG.5

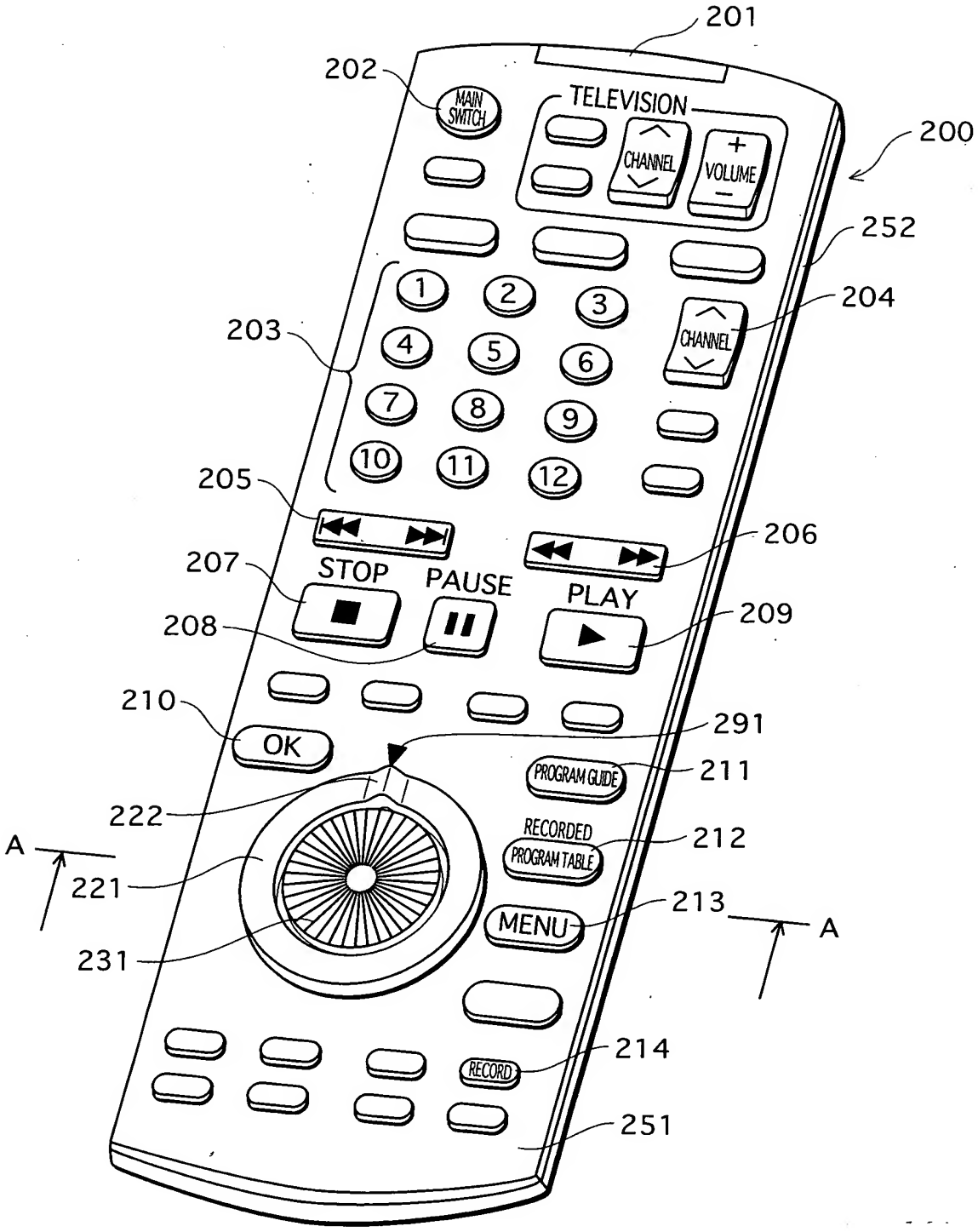

201
202
MAIN SWITCH
TELEVISION
CHANNEL
VOLUME
200
252
204
203
1
2
3
4
5
6
7
8
9
10
11
12
CHANNEL
205
206
207
STOP
PAUSE
PLAY
208
209
210
OK
291
PROGRAM GUIDE
211
222
RECORDED
PROGRAM TABLE
212
A
221
213
MENU
A
231
214
RECORD
251

FIG.6

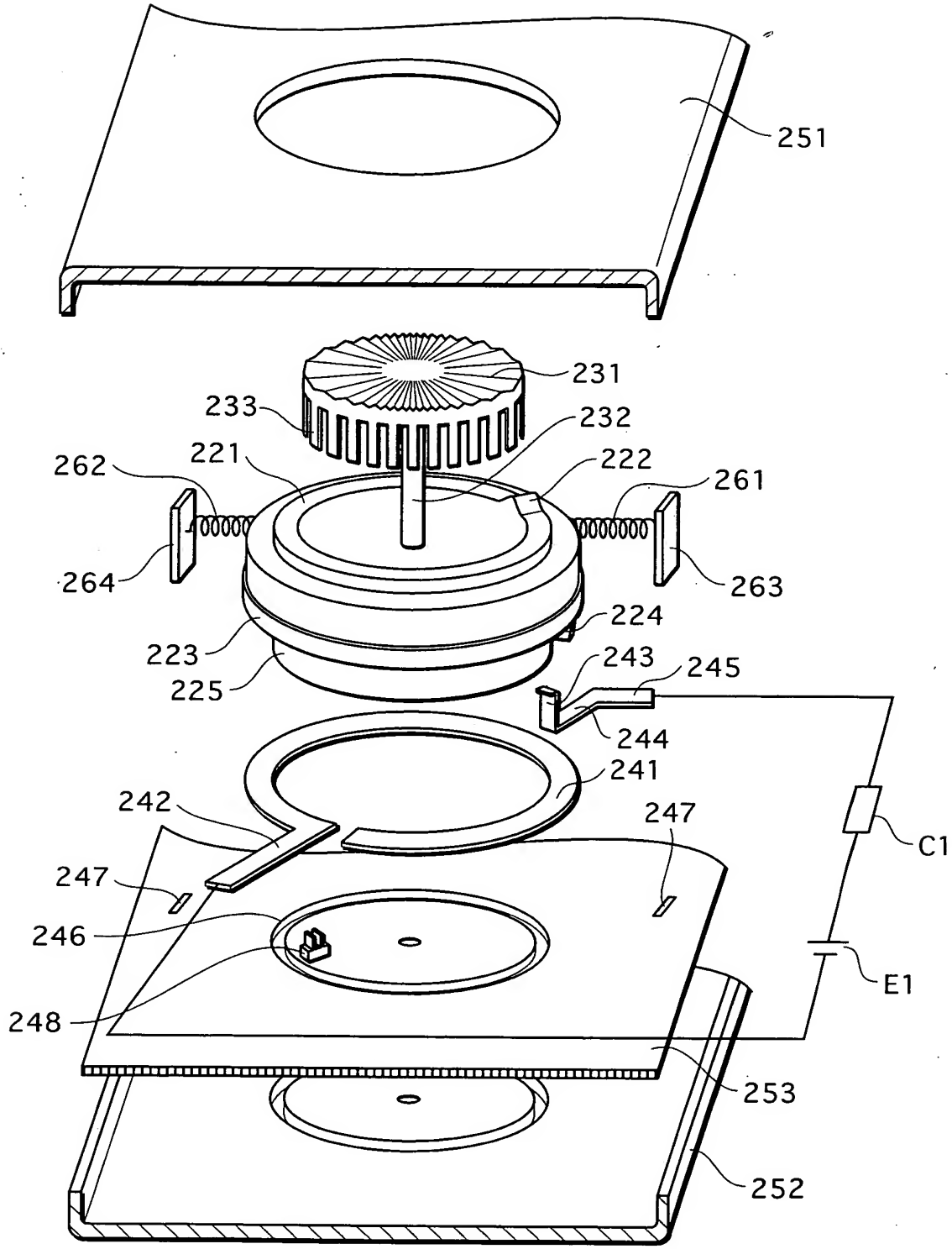

251
231
233
232
262
221
222
261
264
263
224
223
225
243
245
244
241
242
247
247
C1
246
E1
248
253
252

FIG.7

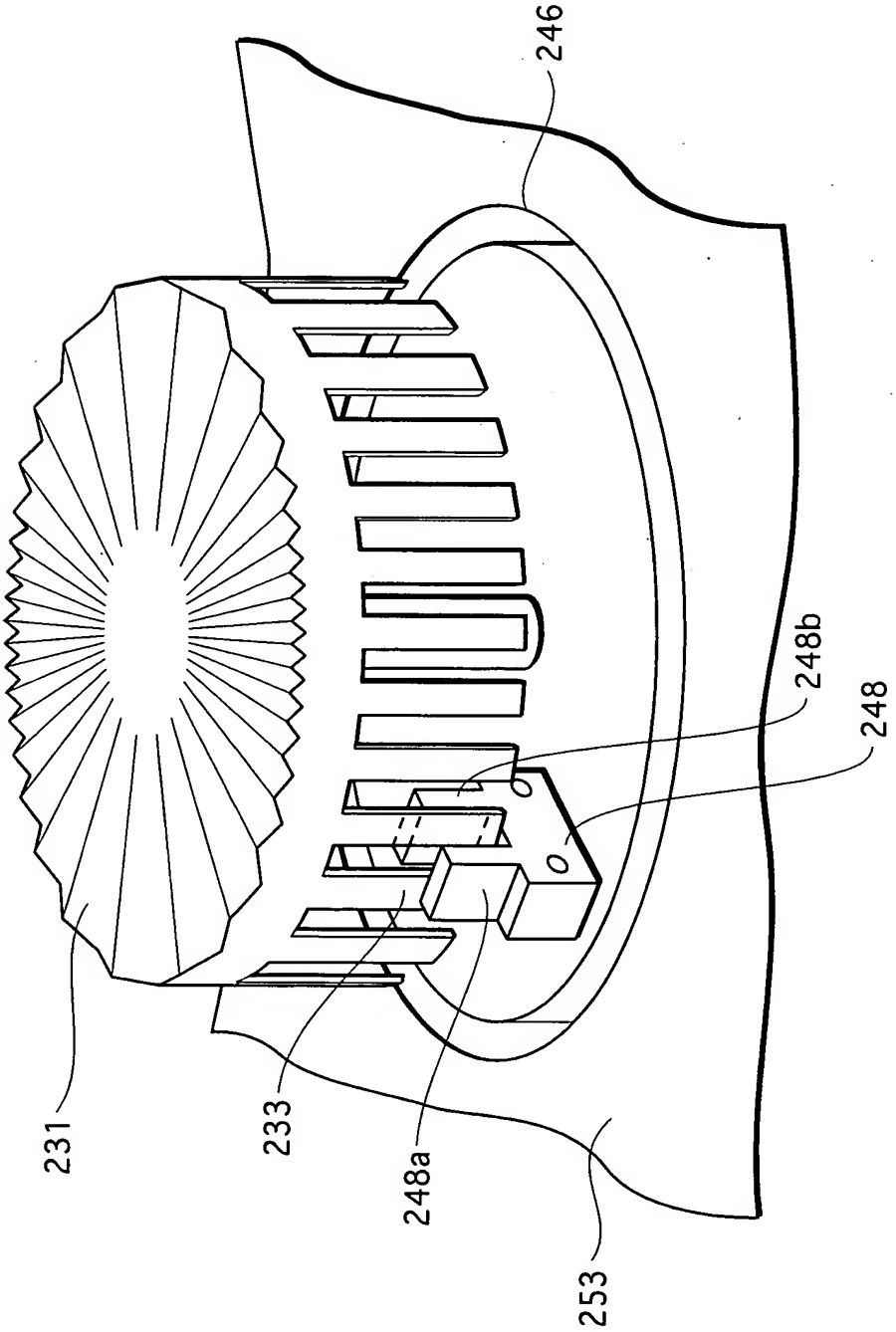


FIG.8

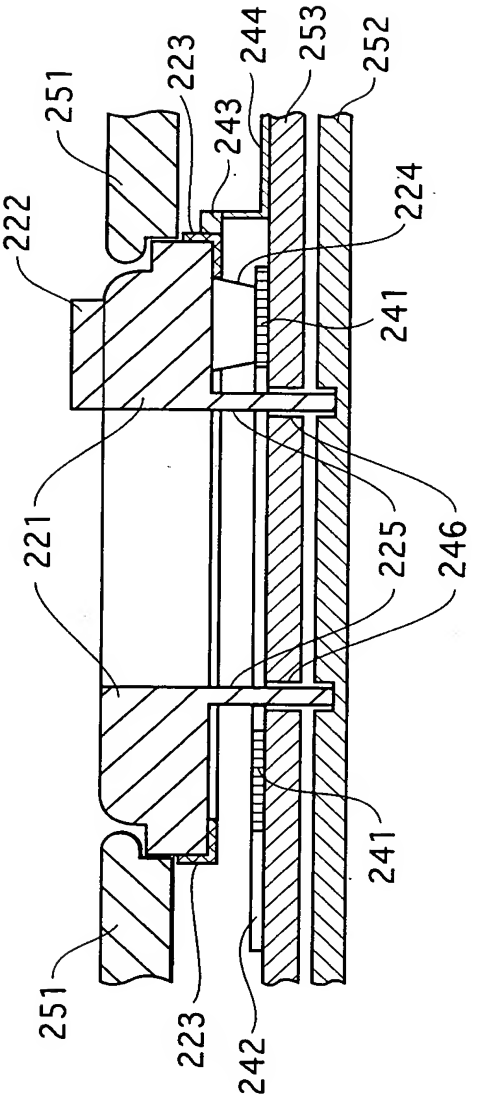


FIG.9

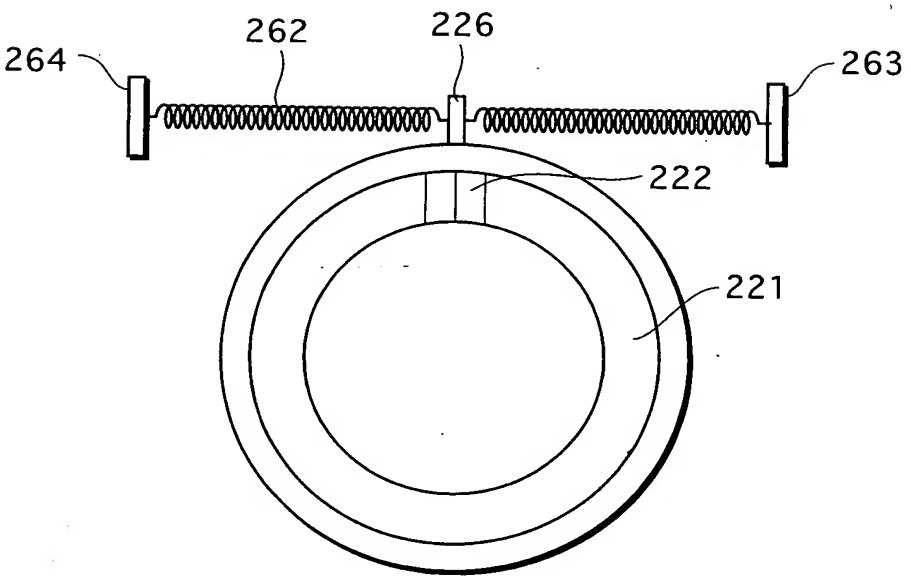


FIG.10

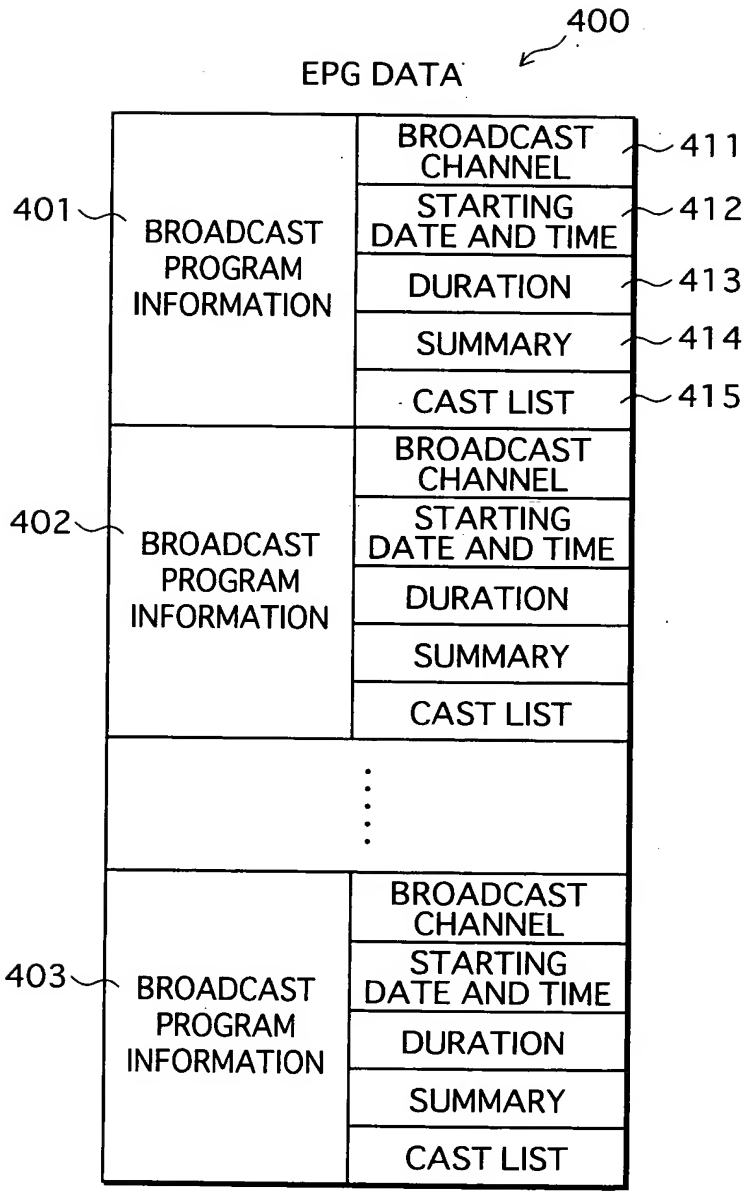

400
EPG DATA
401
BROADCAST PROGRAM INFORMATION
BROADCAST CHANNEL
411
STARTING DATE AND TIME
412
DURATION
413
SUMMARY
414
CAST LIST
415
402
BROADCAST PROGRAM INFORMATION
BROADCAST CHANNEL
STARTING DATE AND TIME
DURATION
SUMMARY
CAST LIST
403
BROADCAST PROGRAM INFORMATION
BROADCAST CHANNEL
STARTING DATE AND TIME
DURATION
SUMMARY
CAST LIST

FIG.11

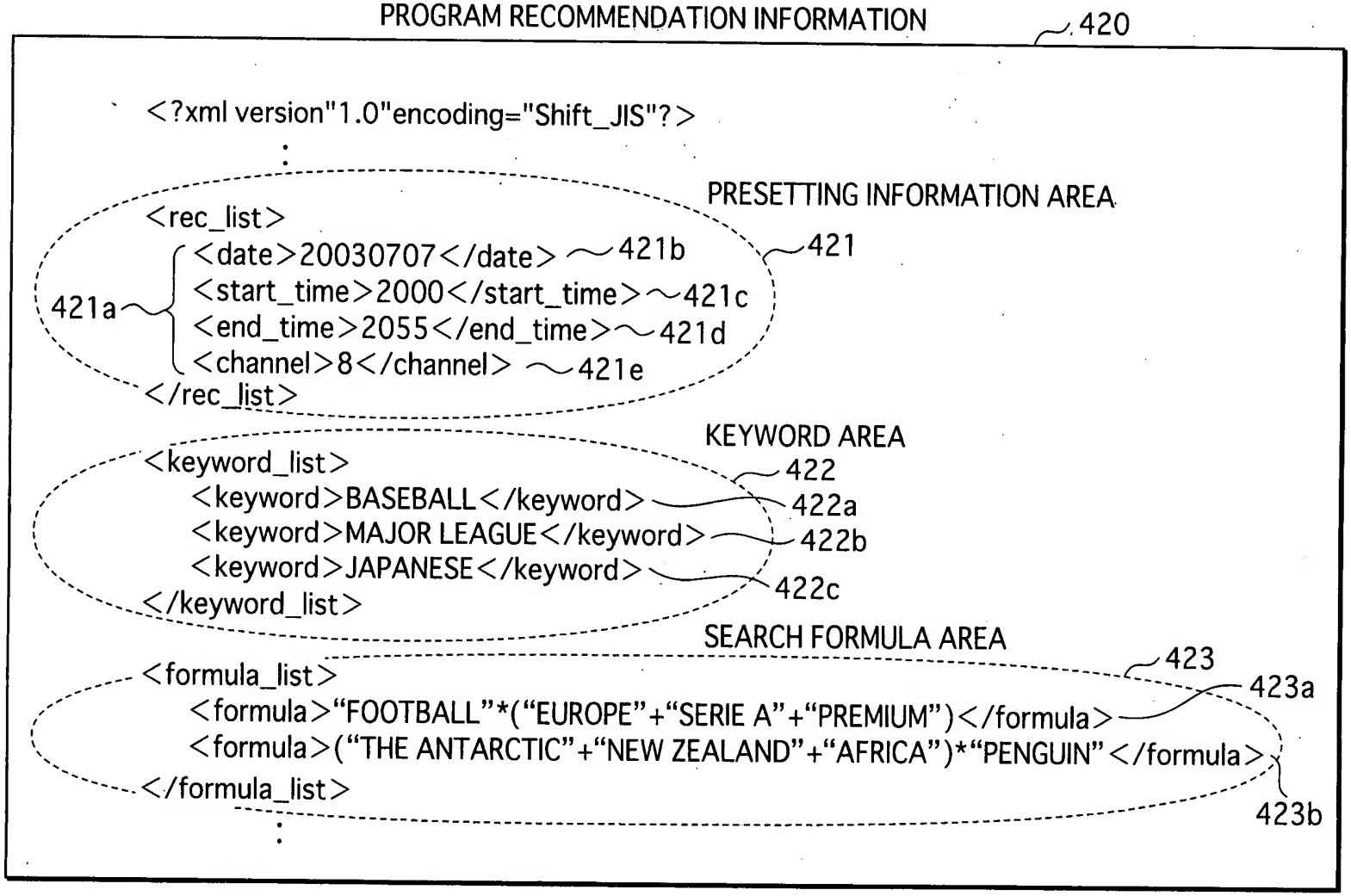

PROGRAM RECOMMENDATION INFORMATION
420
<?xml version"1.0"encoding="Shift_JIS"?>
PRESETTING INFORMATION AREA
421
<rec_list>
421a
<date>20030707</date>
421b
<start_time>2000</start_time>
421c
<end_time>2055</end_time>
421d
<channel>8</channel>
421e
</rec_list>
KEYWORD AREA
422
<keyword_list>
<keyword>BASEBALL</keyword>
422a
<keyword>MAJOR LEAGUE</keyword>
422b
<keyword>JAPANESE</keyword>
422c
</keyword_list>
SEARCH FORMULA AREA
423
<formula_list>
423a
<formula>"FOOTBALL"*("EUROPE"+"SERIE A"+"PREMIUM")</formula>
<formula>("THE ANTARCTIC"+"NEW ZEALAND"+"AFRICA")*"PENGUIN"</formula>
423b
</formula_list>

FIG.12

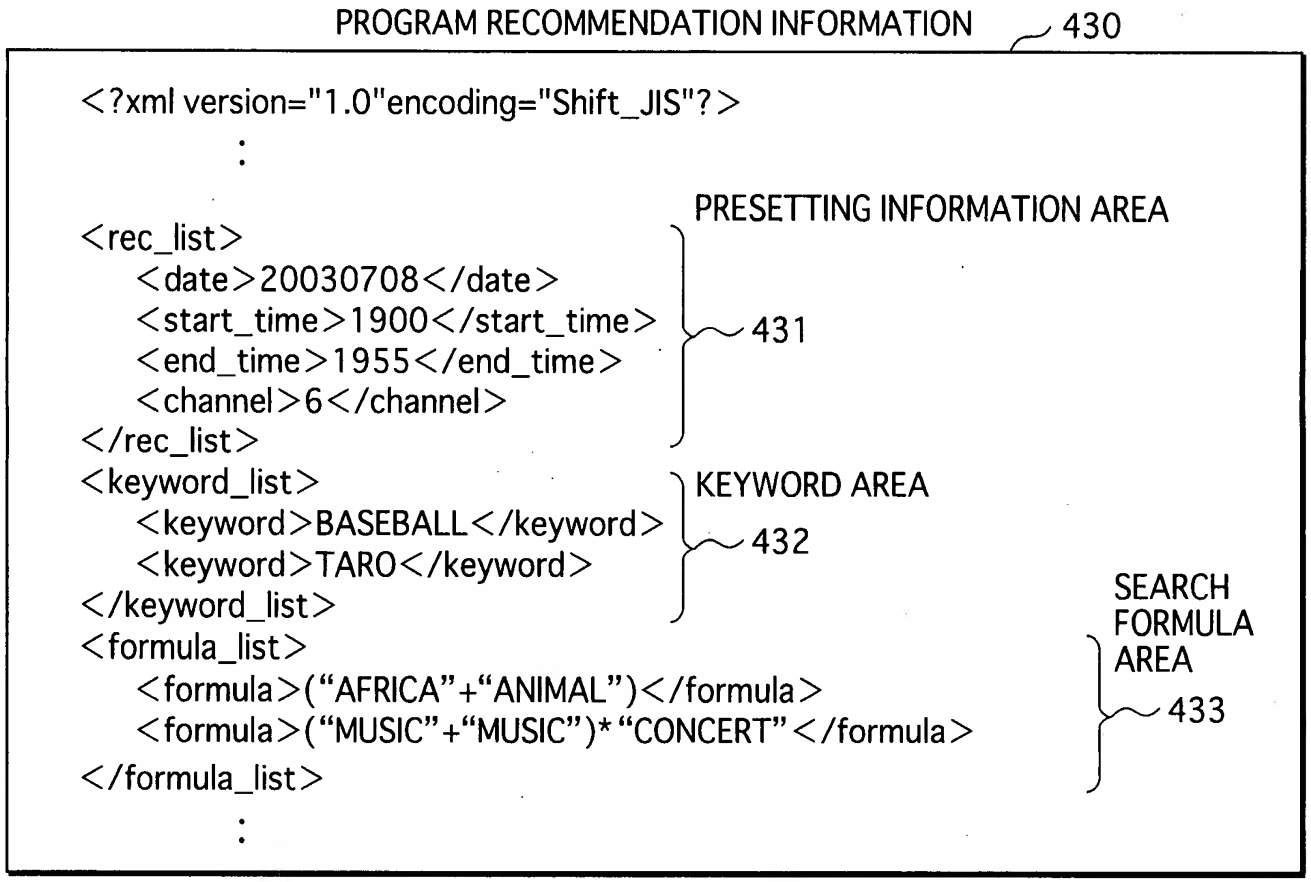

PROGRAM RECOMMENDATION INFORMATION
430
<?xml version="1.0"encoding="Shift_JIS"?>
PRESETTING INFORMATION AREA
<rec_list>
<date>20030708</date>
<start_time>1900</start_time>
<end_time>1955</end_time>
<channel>6</channel>
431
</rec_list>
<keyword_list>
KEYWORD AREA
<keyword>BASEBALL</keyword>
<keyword>TARO</keyword>
432
</keyword_list>
SEARCH FORMULA AREA
<formula_list>
<formula>("AFRICA"+"ANIMAL")</formula>
<formula>("MUSIC"+"MUSIC")*"CONCERT"</formula>
433
</formula_list>

FIG.13

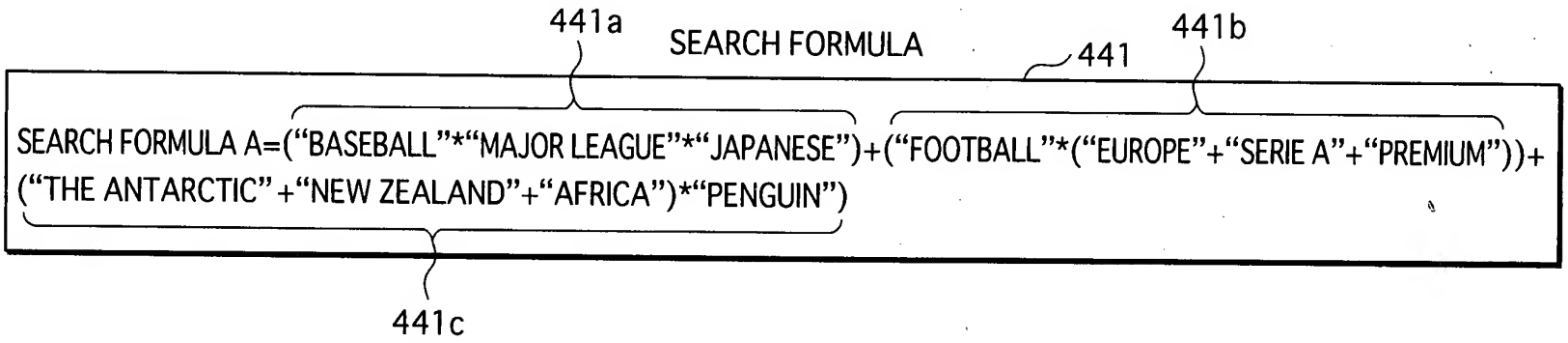

441a
SEARCH FORMULA
441
441b
SEARCH FORMULA A=("BASEBALL"*"MAJOR LEAGUE"*"JAPANESE")+("FOOTBALL"*("EUROPE"+"SERIE A"+"PREMIUM"))+
("THE ANTARCTIC"+"NEW ZEALAND"+"AFRICA")*"PENGUIN")
441c

FIG.14

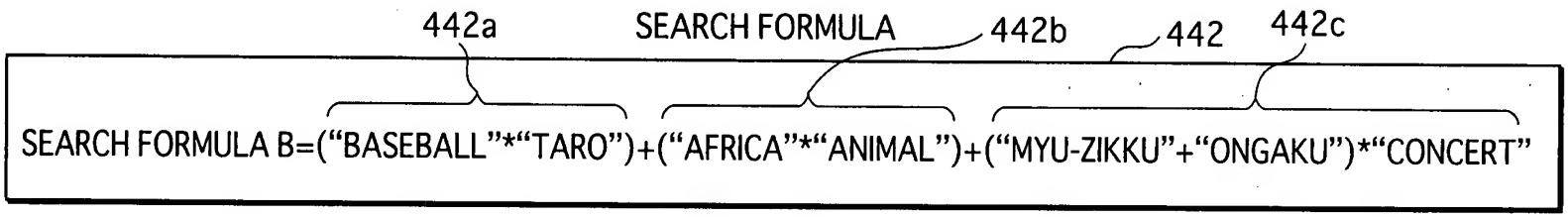

442a
SEARCH FORMULA
442b
442
442c
SEARCH FORMULA B=("BASEBALL"*"TARO")+("AFRICA"*"ANIMAL")+("MYU-ZIKKU"+"ONGAKU")*"CONCERT"

FIG.15

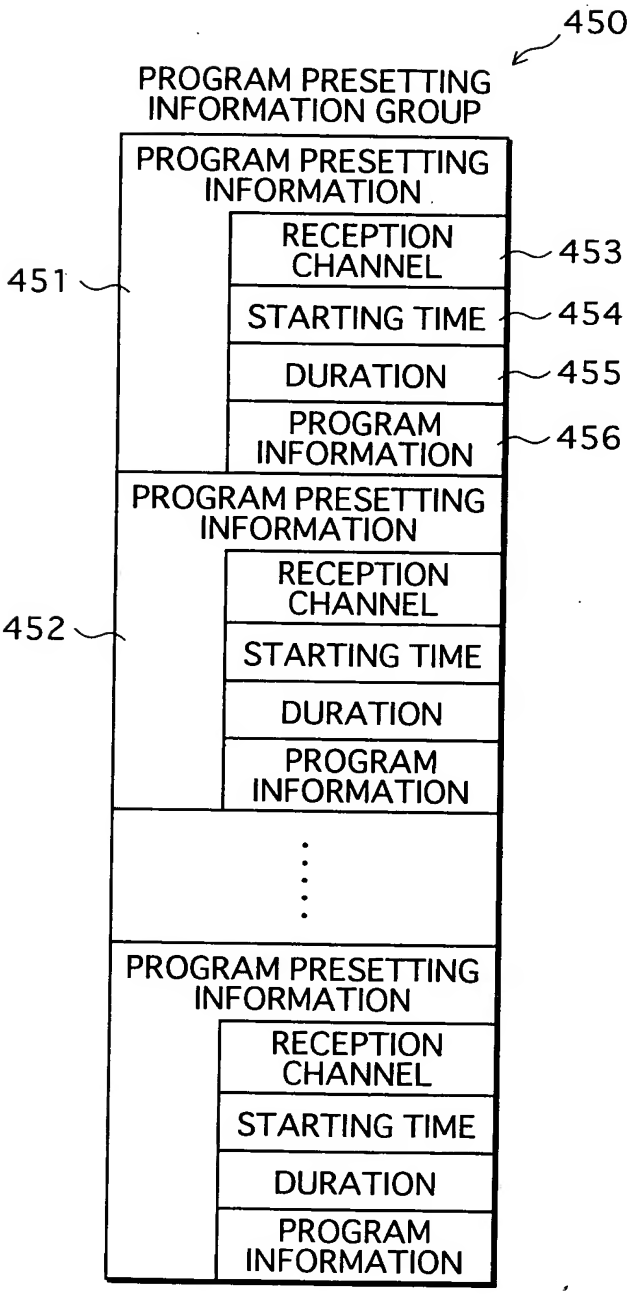

450
PROGRAM PRESETTING INFORMATION GROUP
PROGRAM PRESETTING INFORMATION
RECEPTION CHANNEL
STARTING TIME
DURATION
PROGRAM INFORMATION
451
453
454
455
456
PROGRAM PRESETTING INFORMATION
RECEPTION CHANNEL
STARTING TIME
DURATION
PROGRAM INFORMATION
452
PROGRAM PRESETTING INFORMATION
RECEPTION CHANNEL
STARTING TIME
DURATION
PROGRAM INFORMATION

FIG.16

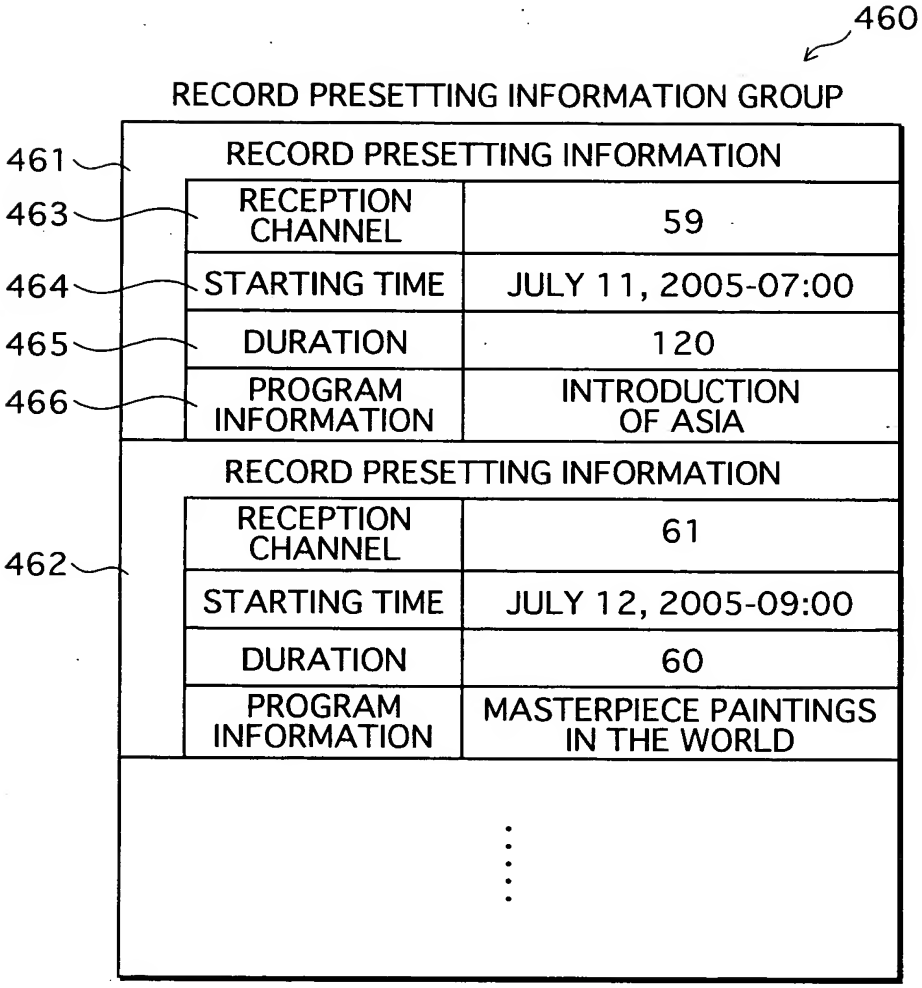

460
RECORD PRESETTING INFORMATION GROUP
461
RECORD PRESETTING INFORMATION
463
RECEPTION CHANNEL
59
464
STARTING TIME
JULY 11, 2005-07:00
465
DURATION
120
466
PROGRAM INFORMATION
INTRODUCTION OF ASIA
RECORD PRESETTING INFORMATION
462
RECEPTION CHANNEL
61
STARTING TIME
JULY 12, 2005-09:00
DURATION
60
PROGRAM INFORMATION
MASTERPIECE PAINTINGS IN THE WORLD

FIG.17

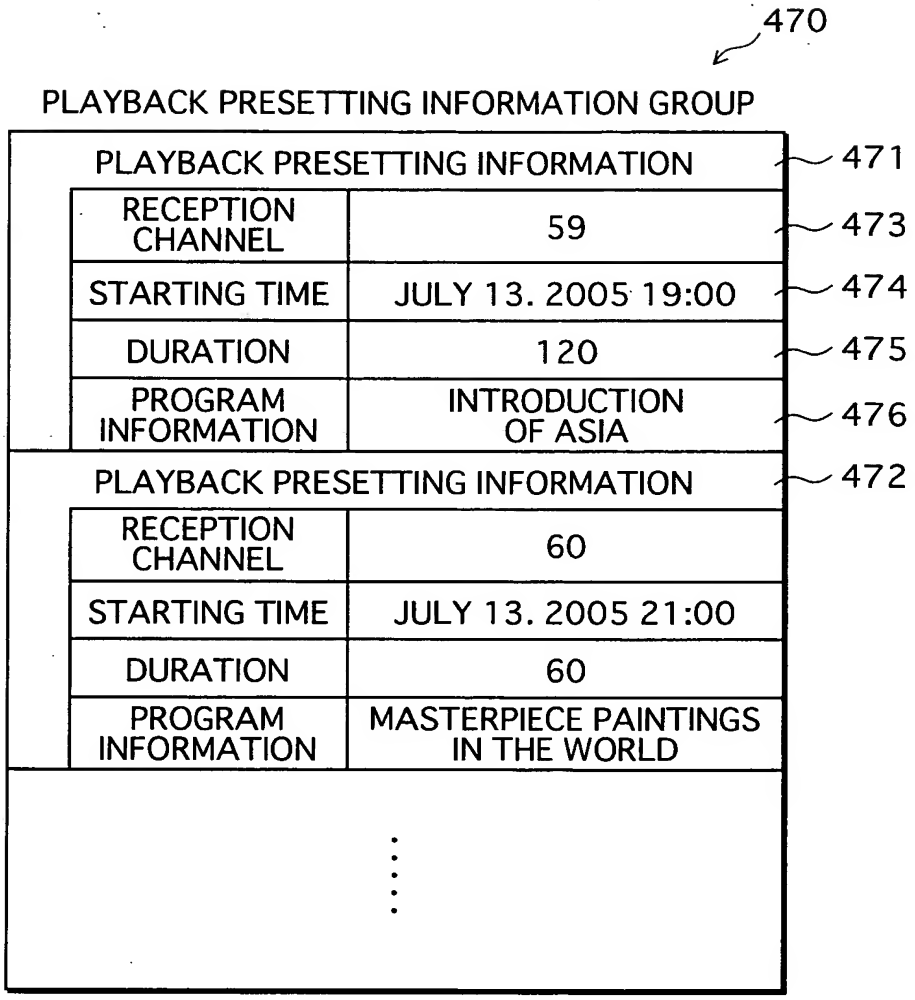

470
PLAYBACK PRESETTING INFORMATION GROUP
PLAYBACK PRESETTING INFORMATION
471
RECEPTION CHANNEL
59
473
STARTING TIME
JULY 13. 2005 19:00
474
DURATION
120
475
PROGRAM INFORMATION
INTRODUCTION OF ASIA
476
PLAYBACK PRESETTING INFORMATION
472
RECEPTION CHANNEL
60
STARTING TIME
JULY 13. 2005 21:00
DURATION
60
PROGRAM INFORMATION
MASTERPIECE PAINTINGS IN THE WORLD

FIG.18

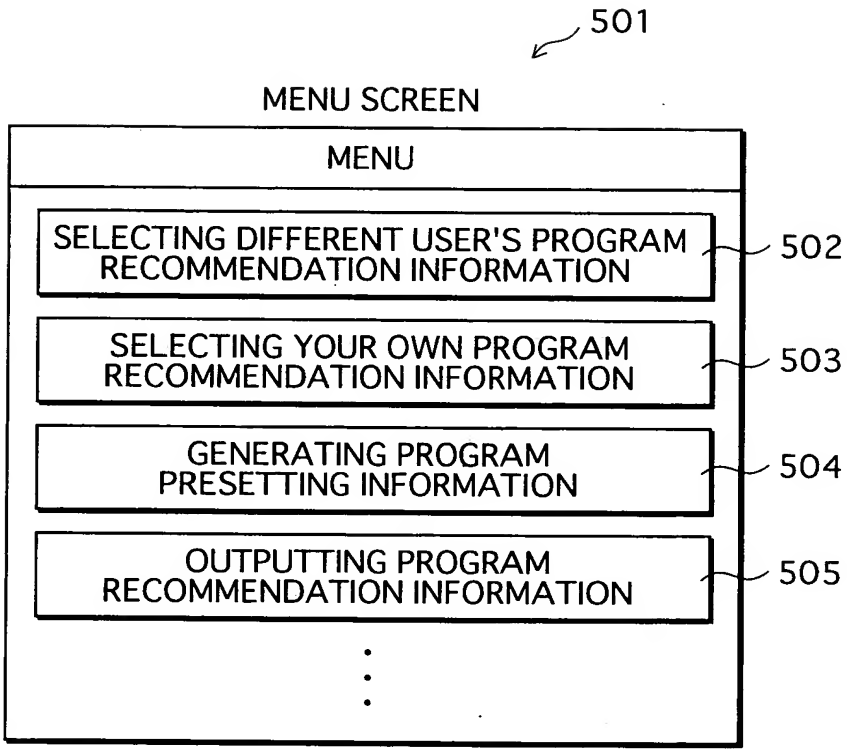

501
MENU SCREEN
MENU
SELECTING DIFFERENT USER'S PROGRAM RECOMMENDATION INFORMATION
502
SELECTING YOUR OWN PROGRAM RECOMMENDATION INFORMATION
503
GENERATING PROGRAM PRESETTING INFORMATION
504
OUTPUTTING PROGRAM RECOMMENDATION INFORMATION
505

FIG.19

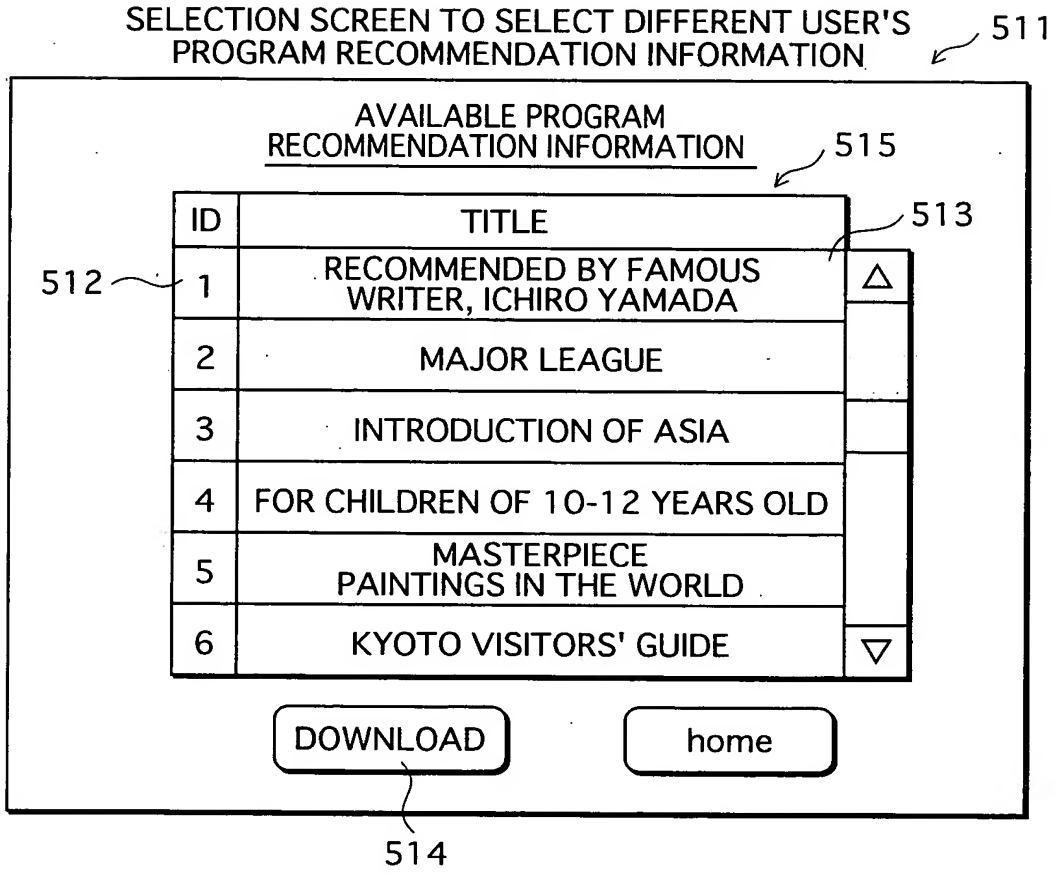

SELECTION SCREEN TO SELECT DIFFERENT USER'S PROGRAM RECOMMENDATION INFORMATION
511
AVAILABLE PROGRAM RECOMMENDATION INFORMATION
515
513
512
ID
TITLE
1
RECOMMENDED BY FAMOUS WRITER, ICHIRO YAMADA
2
MAJOR LEAGUE
3
INTRODUCTION OF ASIA
4
FOR CHILDREN OF 10-12 YEARS OLD
5
MASTERPIECE PAINTINGS IN THE WORLD
6
KYOTO VISITORS' GUIDE
DOWNLOAD
home
514

FIG.20

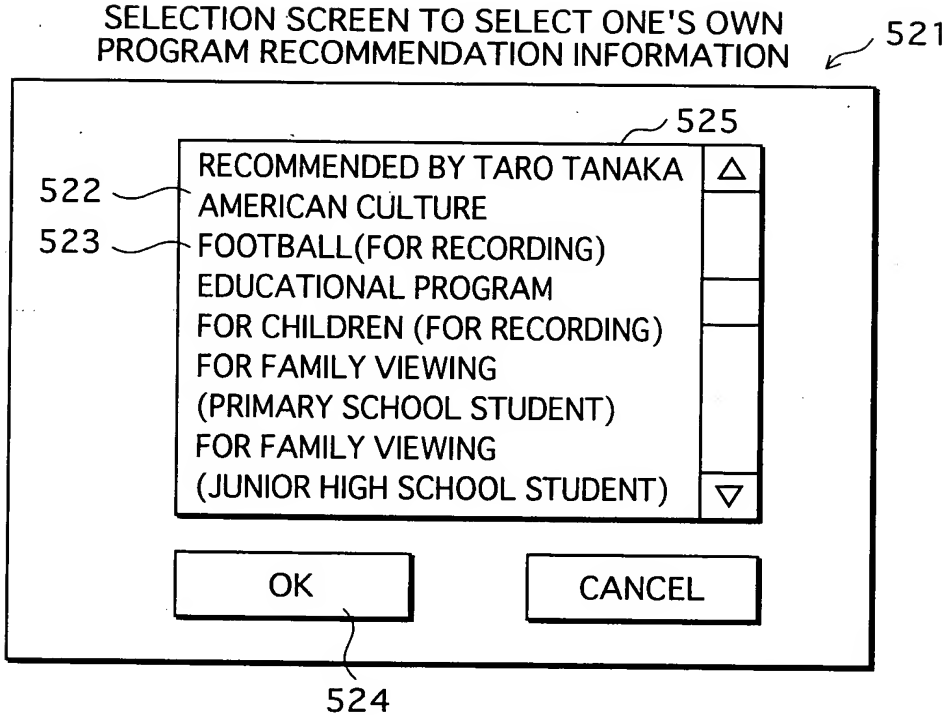

SELECTION SCREEN TO SELECT ONE'S OWN PROGRAM RECOMMENDATION INFORMATION
521
525
522
523
RECOMMENDED BY TARO TANAKA
AMERICAN CULTURE
FOOTBALL(FOR RECORDING)
EDUCATIONAL PROGRAM
FOR CHILDREN (FOR RECORDING)
FOR FAMILY VIEWING
(PRIMARY SCHOOL STUDENT)
FOR FAMILY VIEWING
(JUNIOR HIGH SCHOOL STUDENT)
OK
CANCEL
524

FIG.21

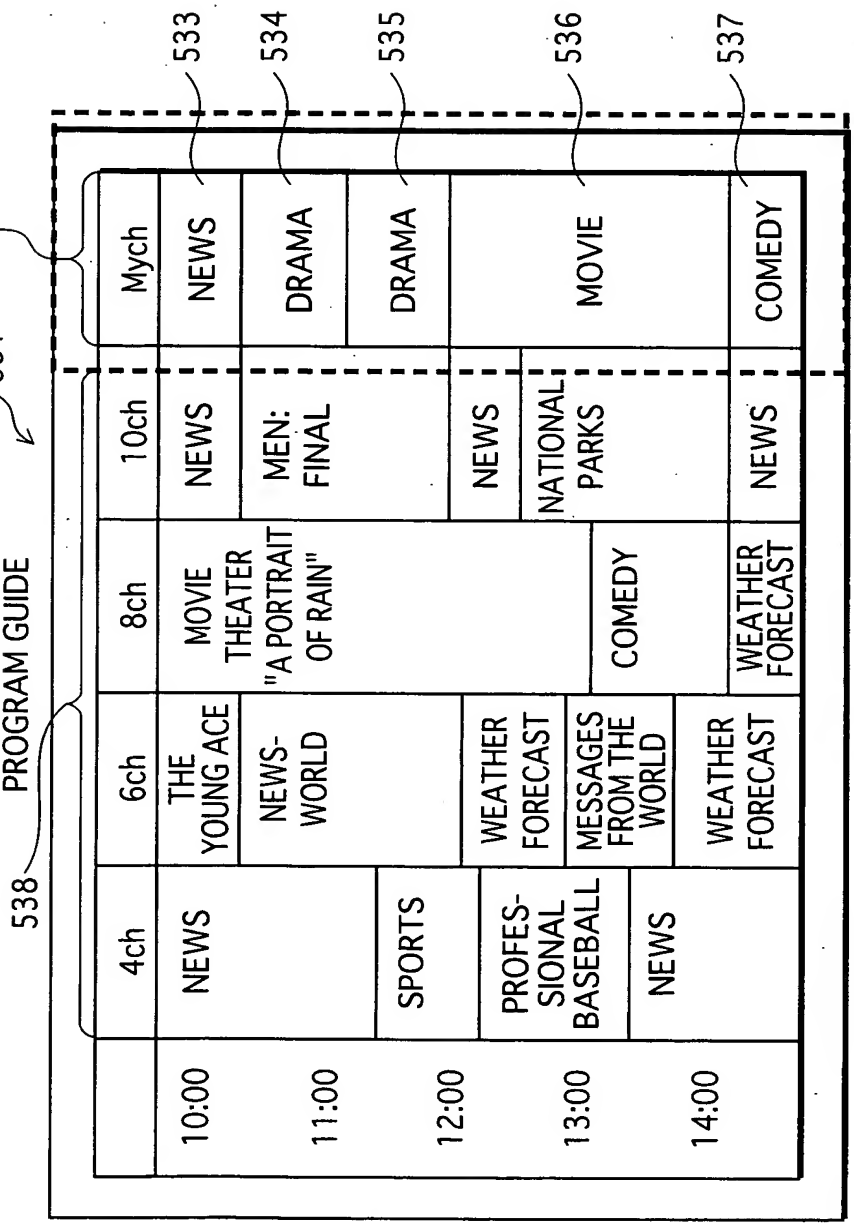

PROGRAM GUIDE
531
532
533
534
535
536
537
538
10:00
11:00
12:00
13:00
14:00
4ch
6ch
8ch
10ch
Mych
NEWS
THE YOUNG ACE
NEWS-WORLD
MOVIE THEATER "A PORTRAIT OF RAIN"
NEWS
MEN: FINAL
NEWS
DRAMA
DRAMA
MOVIE
SPORTS
WEATHER FORECAST
COMEDY
NATIONAL PARKS
PROFES-SIONAL BASEBALL
MESSAGES FROM THE WORLD
NEWS
WEATHER FORECAST
WEATHER FORECAST
NEWS
COMEDY

FIG.22

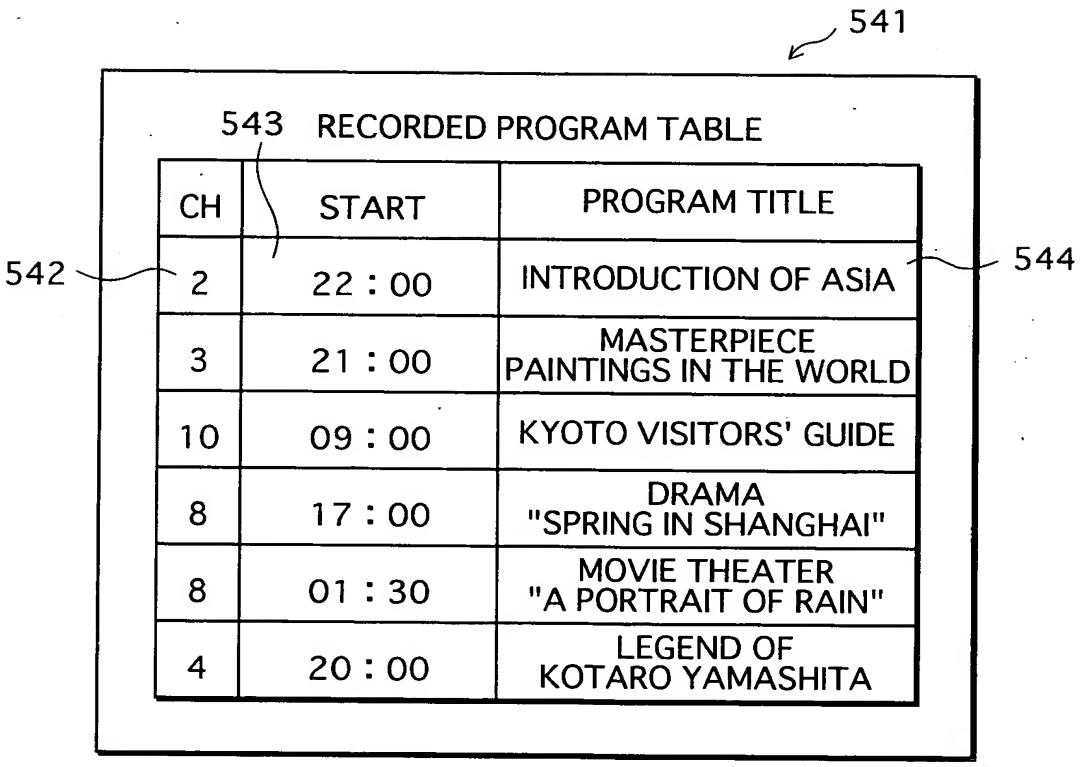

541
543
RECORDED PROGRAM TABLE
CH
START
PROGRAM TITLE
542
544
2
22 : 00
INTRODUCTION OF ASIA
3
21 : 00
MASTERPIECE PAINTINGS IN THE WORLD
10
09 : 00
KYOTO VISITORS' GUIDE
8
17 : 00
DRAMA "SPRING IN SHANGHAI"
8
01 : 30
MOVIE THEATER "A PORTRAIT OF RAIN"
4
20 : 00
LEGEND OF KOTARO YAMASHITA

FIG.23

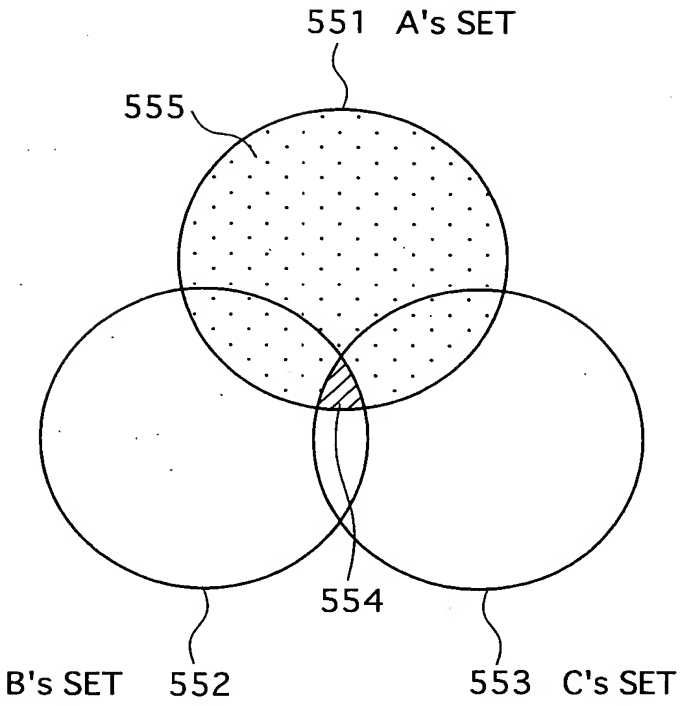


FIG.24

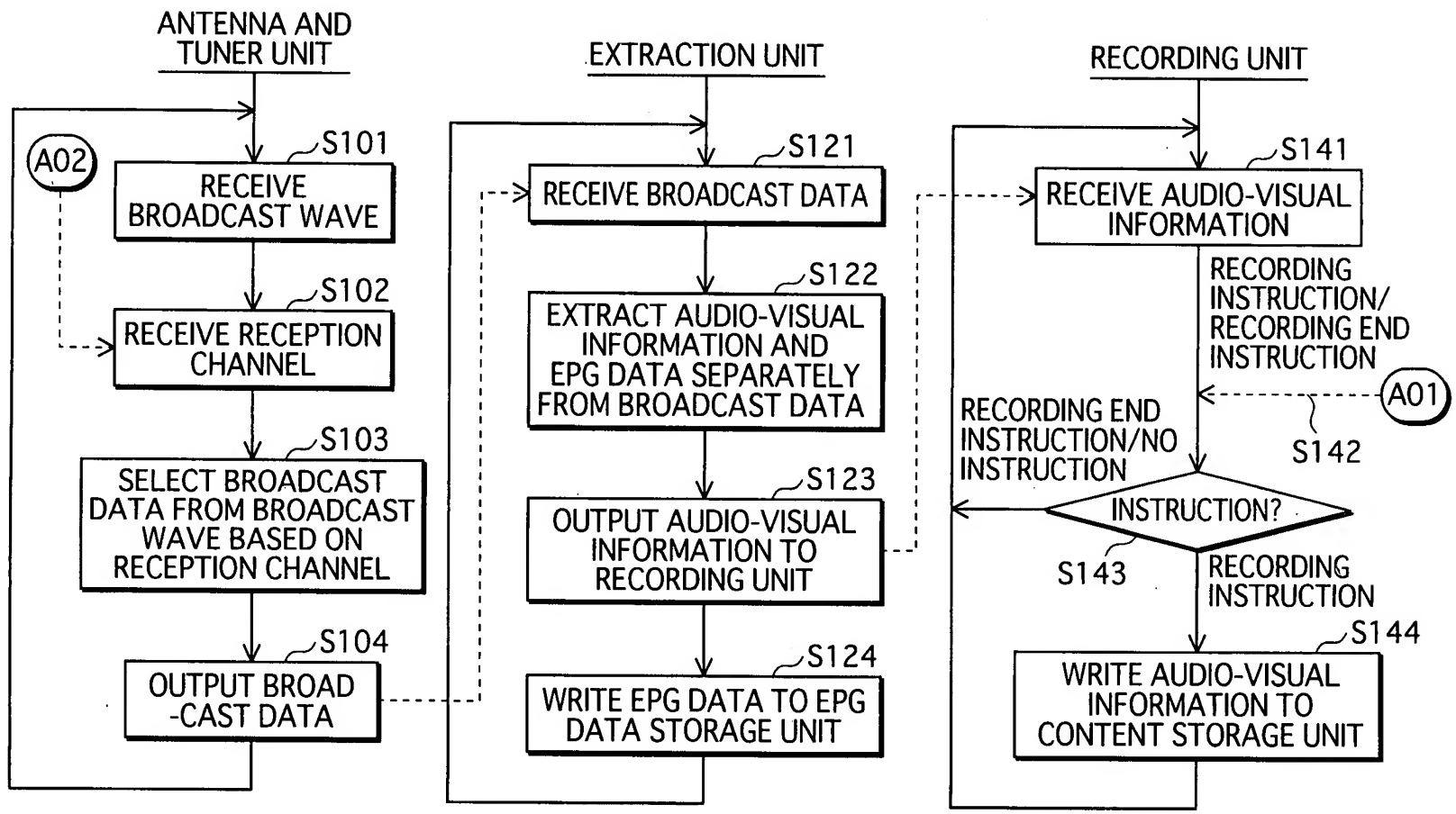

ANTENNA AND TUNER UNIT
EXTRACTION UNIT
RECORDING UNIT
A02
S101
RECEIVE BROADCAST WAVE
S102
RECEIVE RECEPTION CHANNEL
S103
SELECT BROADCAST DATA FROM BROADCAST WAVE BASED ON RECEPTION CHANNEL
S104
OUTPUT BROAD -CAST DATA
S121
RECEIVE BROADCAST DATA
S122
EXTRACT AUDIO-VISUAL INFORMATION AND EPG DATA SEPARATELY FROM BROADCAST DATA
S123
OUTPUT AUDIO-VISUAL INFORMATION TO RECORDING UNIT
S124
WRITE EPG DATA TO EPG DATA STORAGE UNIT
S141
RECEIVE AUDIO-VISUAL INFORMATION
RECORDING INSTRUCTION/ RECORDING END INSTRUCTION
A01
S142
RECORDING END INSTRUCTION/NO INSTRUCTION
INSTRUCTION?
S143
RECORDING INSTRUCTION
S144
WRITE AUDIO-VISUAL INFORMATION TO CONTENT STORAGE UNIT

FIG.25

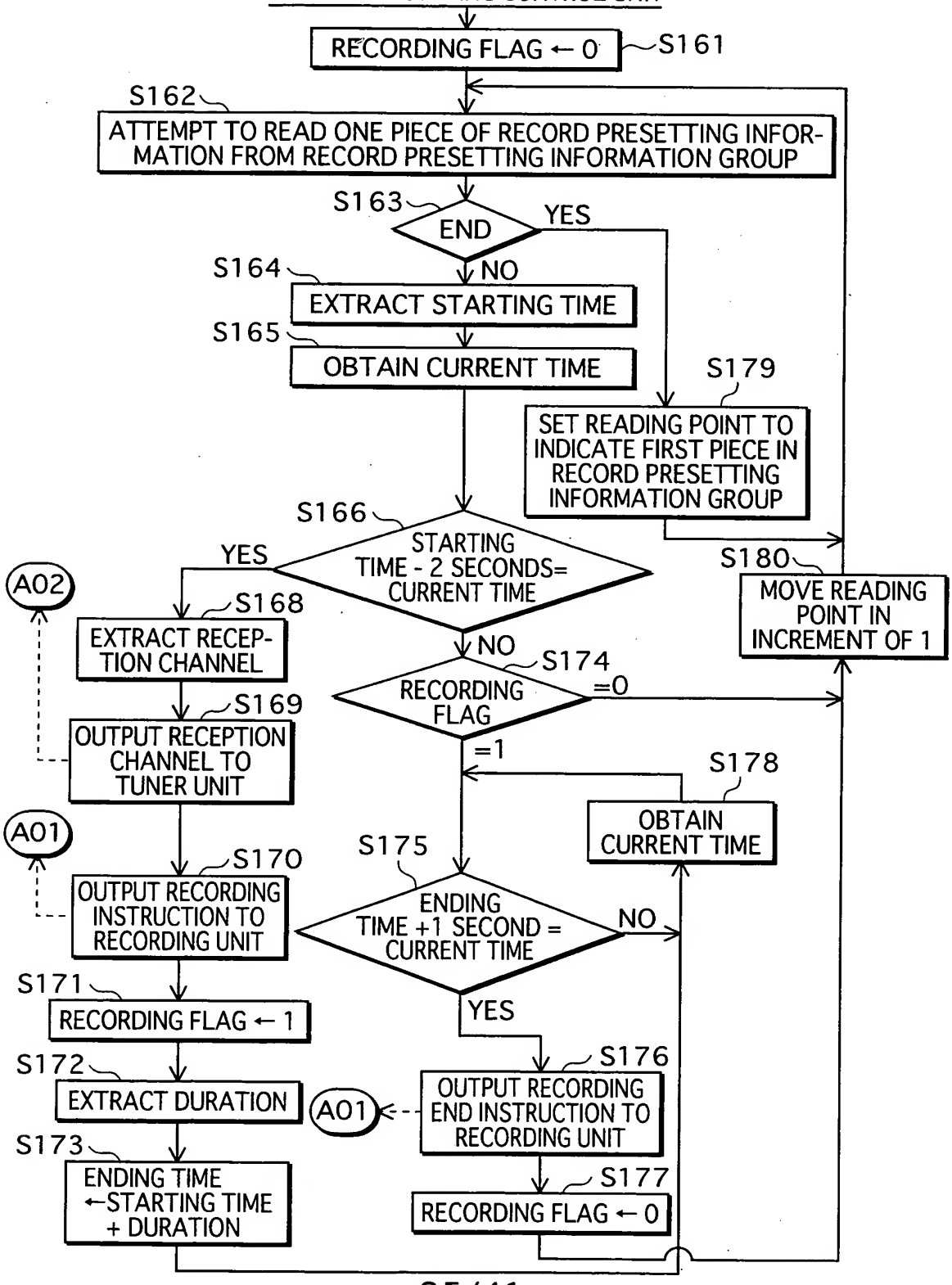

RECORD PRESETTING CONTROL UNIT
RECORDING FLAG ← 0
S161
S162
ATTEMPT TO READ ONE PIECE OF RECORD PRESETTING INFORMATION FROM RECORD PRESETTING INFORMATION GROUP
S163
END
YES
NO
S164
EXTRACT STARTING TIME
S165
OBTAIN CURRENT TIME
S179
SET READING POINT TO INDICATE FIRST PIECE IN RECORD PRESETTING INFORMATION GROUP
S166
STARTING TIME - 2 SECONDS= CURRENT TIME
YES
NO
A02
S168
EXTRACT RECEPTION CHANNEL
S169
OUTPUT RECEPTION CHANNEL TO TUNER UNIT
A01
S170
OUTPUT RECORDING INSTRUCTION TO RECORDING UNIT
S171
RECORDING FLAG ← 1
S172
EXTRACT DURATION
S173
ENDING TIME ←STARTING TIME + DURATION
S174
RECORDING FLAG
=0
=1
S180
MOVE READING POINT IN INCREMENT OF 1
S178
OBTAIN CURRENT TIME
S175
ENDING TIME +1 SECOND = CURRENT TIME
NO
YES
S176
OUTPUT RECORDING END INSTRUCTION TO RECORDING UNIT
A01
S177
RECORDING FLAG ← 0

FIG.26

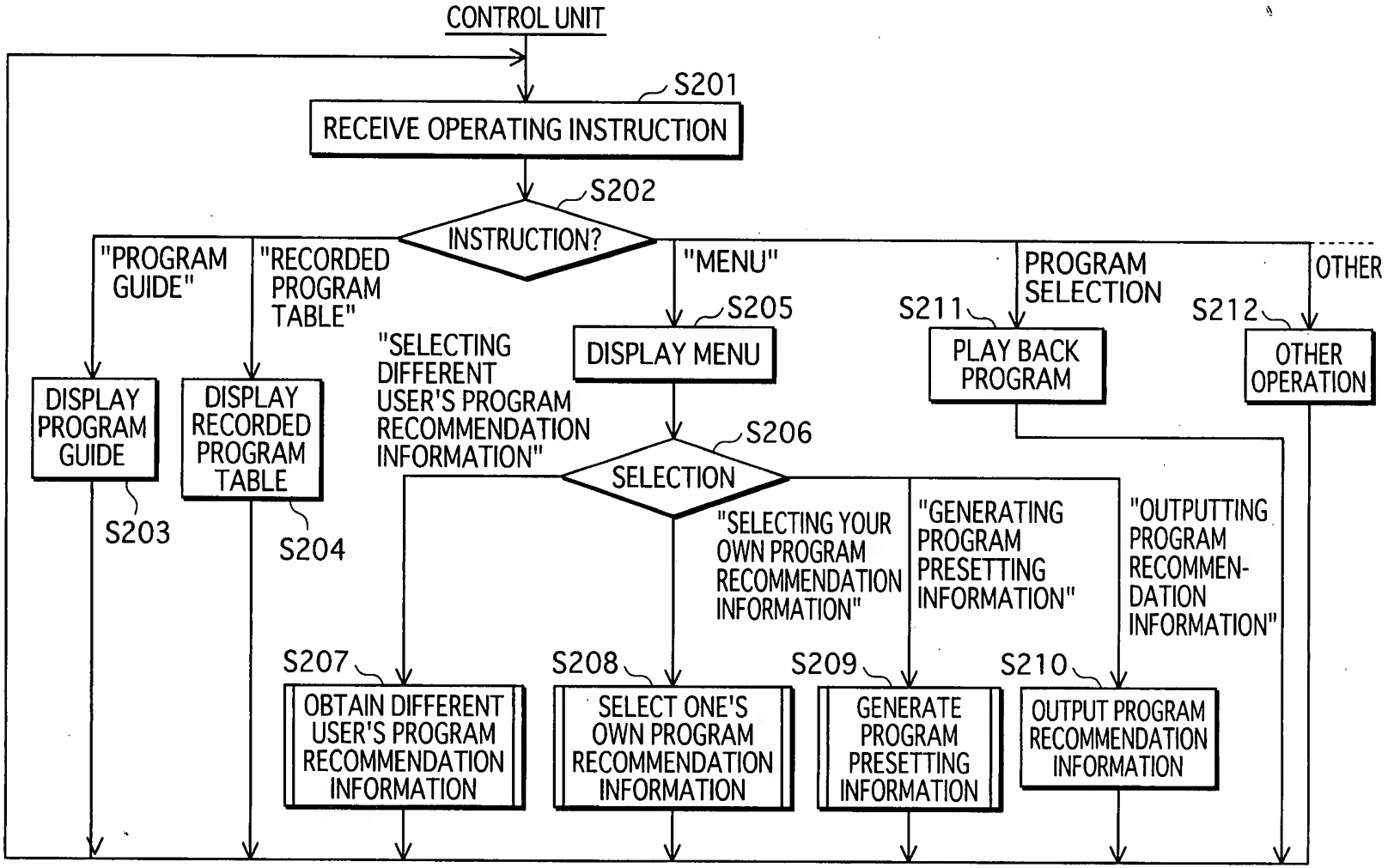

CONTROL UNIT
S201
RECEIVE OPERATING INSTRUCTION
S202
INSTRUCTION?
"PROGRAM GUIDE"
"RECORDED PROGRAM TABLE"
"MENU"
PROGRAM SELECTION
OTHER
S205
DISPLAY MENU
S211
PLAY BACK PROGRAM
S212
OTHER OPERATION
DISPLAY PROGRAM GUIDE
DISPLAY RECORDED PROGRAM TABLE
"SELECTING DIFFERENT USER'S PROGRAM RECOMMENDATION INFORMATION"
S206
SELECTION
"SELECTING YOUR OWN PROGRAM RECOMMENDATION INFORMATION"
"GENERATING PROGRAM PRESETTING INFORMATION"
"OUTPUTTING PROGRAM RECOMMEN-DATION INFORMATION"
S203
S204
S207
S208
S209
S210
OBTAIN DIFFERENT USER'S PROGRAM RECOMMENDATION INFORMATION
SELECT ONE'S OWN PROGRAM RECOMMENDATION INFORMATION
GENERATE PROGRAM PRESETTING INFORMATION
OUTPUT PROGRAM RECOMMENDATION INFORMATION

FIG.27

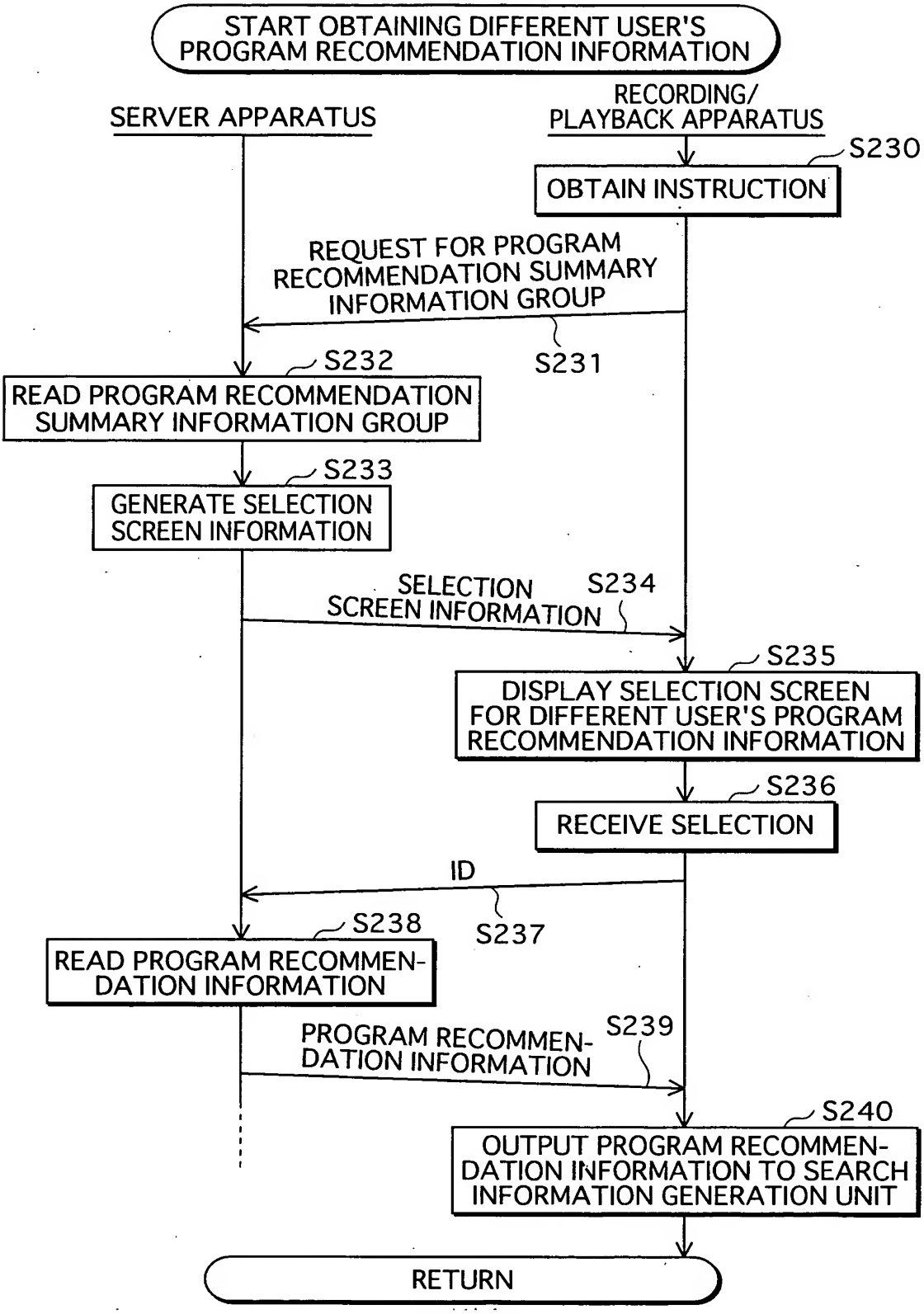

START OBTAINING DIFFERENT USER'S PROGRAM RECOMMENDATION INFORMATION
SERVER APPARATUS
RECORDING/ PLAYBACK APPARATUS
S230
OBTAIN INSTRUCTION
REQUEST FOR PROGRAM RECOMMENDATION SUMMARY INFORMATION GROUP
S231
S232
READ PROGRAM RECOMMENDATION SUMMARY INFORMATION GROUP
S233
GENERATE SELECTION SCREEN INFORMATION
SELECTION SCREEN INFORMATION
S234
S235
DISPLAY SELECTION SCREEN FOR DIFFERENT USER'S PROGRAM RECOMMENDATION INFORMATION
S236
RECEIVE SELECTION
ID
S237
S238
READ PROGRAM RECOMMEN-DATION INFORMATION
PROGRAM RECOMMEN-DATION INFORMATION
S239
S240
OUTPUT PROGRAM RECOMMEN-DATION INFORMATION TO SEARCH INFORMATION GENERATION UNIT
RETURN

FIG.28

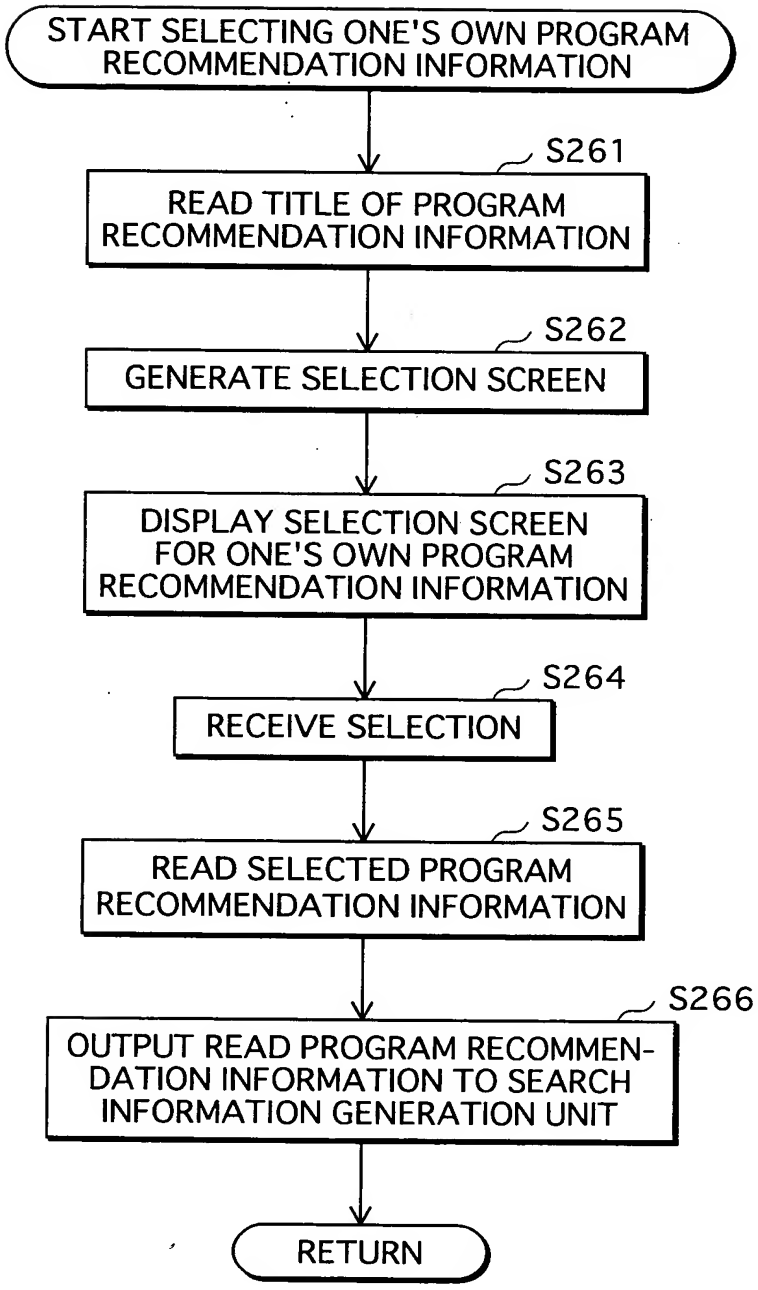

START SELECTING ONE'S OWN PROGRAM RECOMMENDATION INFORMATION
S261
READ TITLE OF PROGRAM RECOMMENDATION INFORMATION
S262
GENERATE SELECTION SCREEN
S263
DISPLAY SELECTION SCREEN FOR ONE'S OWN PROGRAM RECOMMENDATION INFORMATION
S264
RECEIVE SELECTION
S265
READ SELECTED PROGRAM RECOMMENDATION INFORMATION
S266
OUTPUT READ PROGRAM RECOMMENDATION INFORMATION TO SEARCH INFORMATION GENERATION UNIT
RETURN

FIG.29

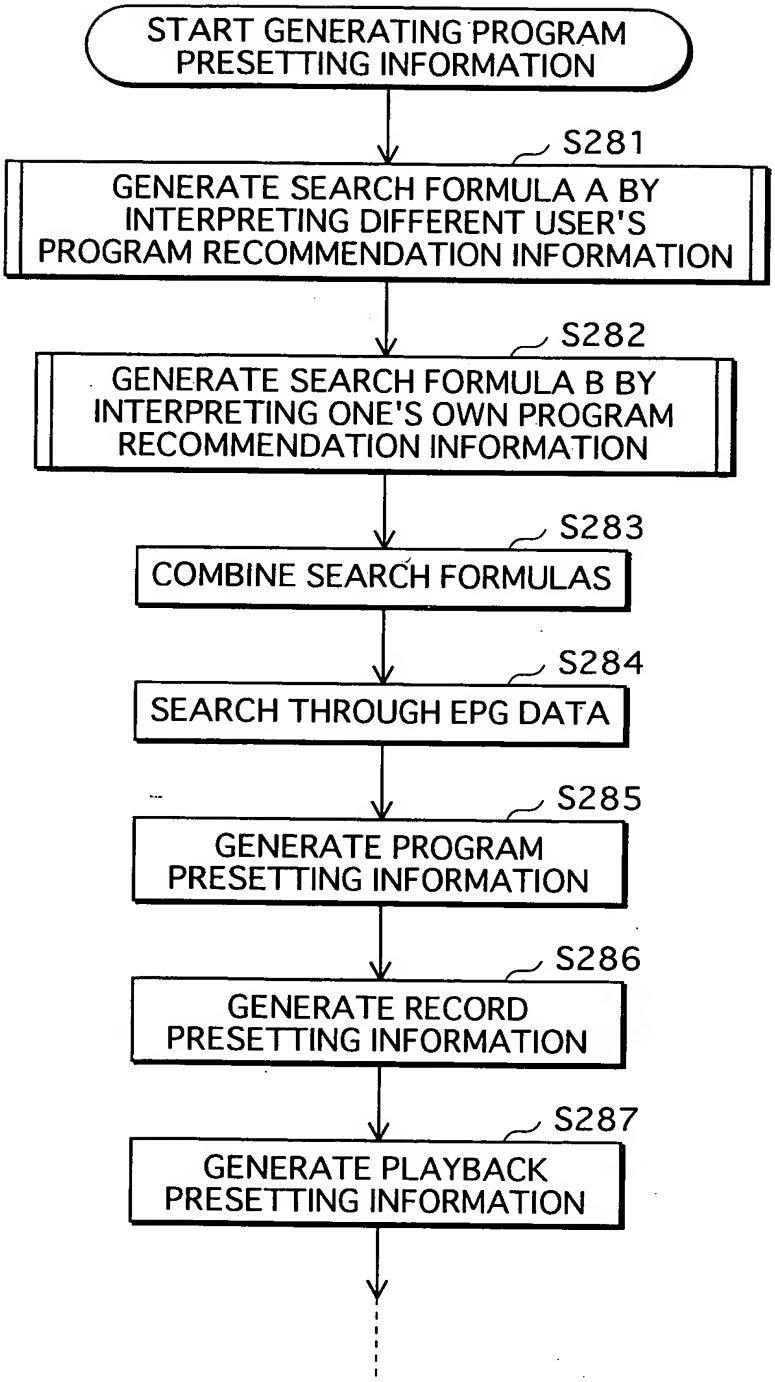

START GENERATING PROGRAM PRESETTING INFORMATION
S281
GENERATE SEARCH FORMULA A BY INTERPRETING DIFFERENT USER'S PROGRAM RECOMMENDATION INFORMATION
S282
GENERATE SEARCH FORMULA B BY INTERPRETING ONE'S OWN PROGRAM RECOMMENDATION INFORMATION
S283
COMBINE SEARCH FORMULAS
S284
SEARCH THROUGH EPG DATA
S285
GENERATE PROGRAM PRESETTING INFORMATION
S286
GENERATE RECORD PRESETTING INFORMATION
S287
GENERATE PLAYBACK PRESETTING INFORMATION

FIG.30

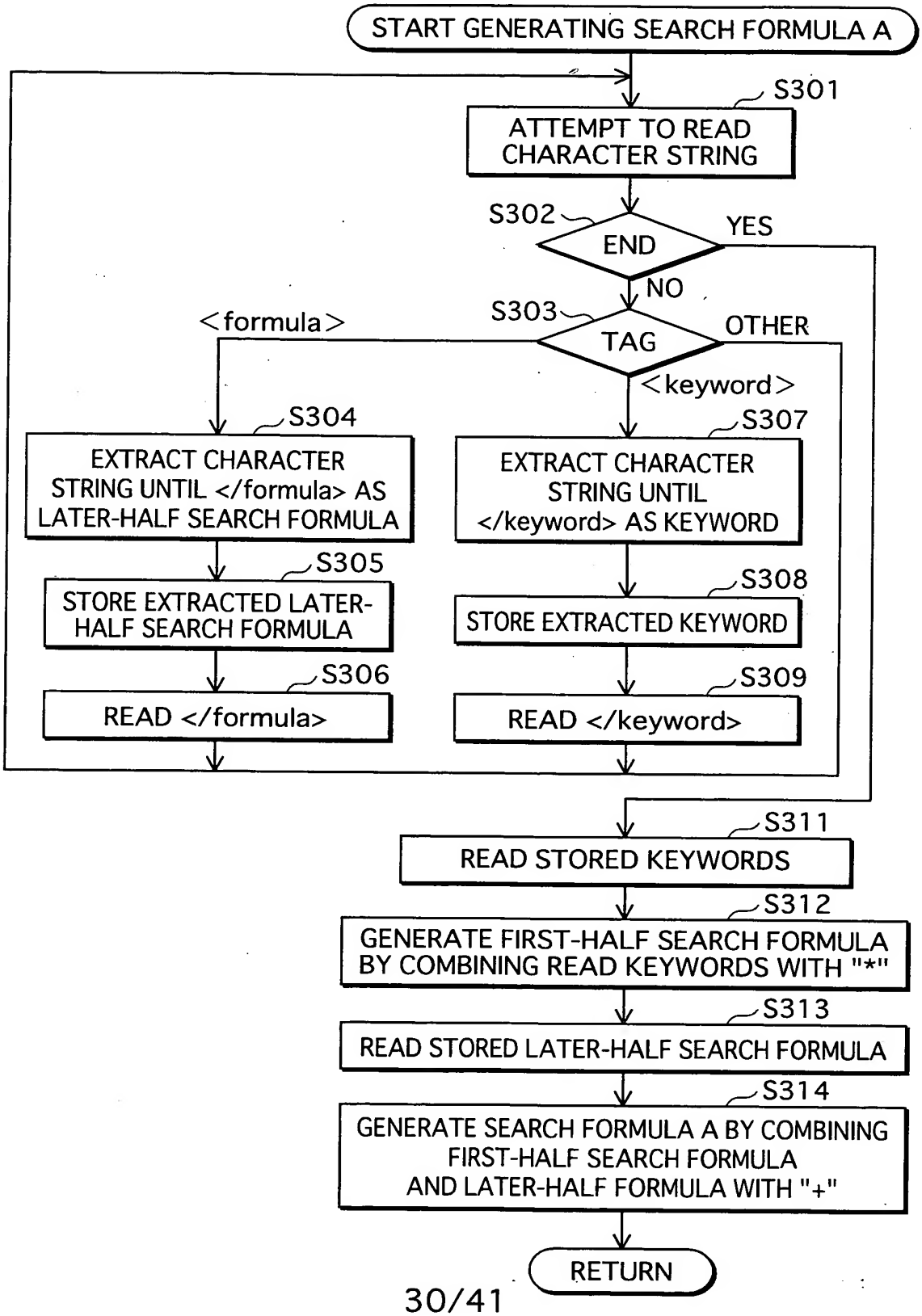

START GENERATING SEARCH FORMULA A
S301
ATTEMPT TO READ CHARACTER STRING
S302
END
YES
NO
S303
TAG
OTHER
<formula>
<keyword>
S304
EXTRACT CHARACTER STRING UNTIL </formula> AS LATER-HALF SEARCH FORMULA
S305
STORE EXTRACTED LATER-HALF SEARCH FORMULA
S306
READ </formula>
S307
EXTRACT CHARACTER STRING UNTIL </keyword> AS KEYWORD
S308
STORE EXTRACTED KEYWORD
S309
READ </keyword>
S311
READ STORED KEYWORDS
S312
GENERATE FIRST-HALF SEARCH FORMULA BY COMBINING READ KEYWORDS WITH "*"
S313
READ STORED LATER-HALF SEARCH FORMULA
S314
GENERATE SEARCH FORMULA A BY COMBINING FIRST-HALF SEARCH FORMULA AND LATER-HALF FORMULA WITH "+"
RETURN

FIG.31

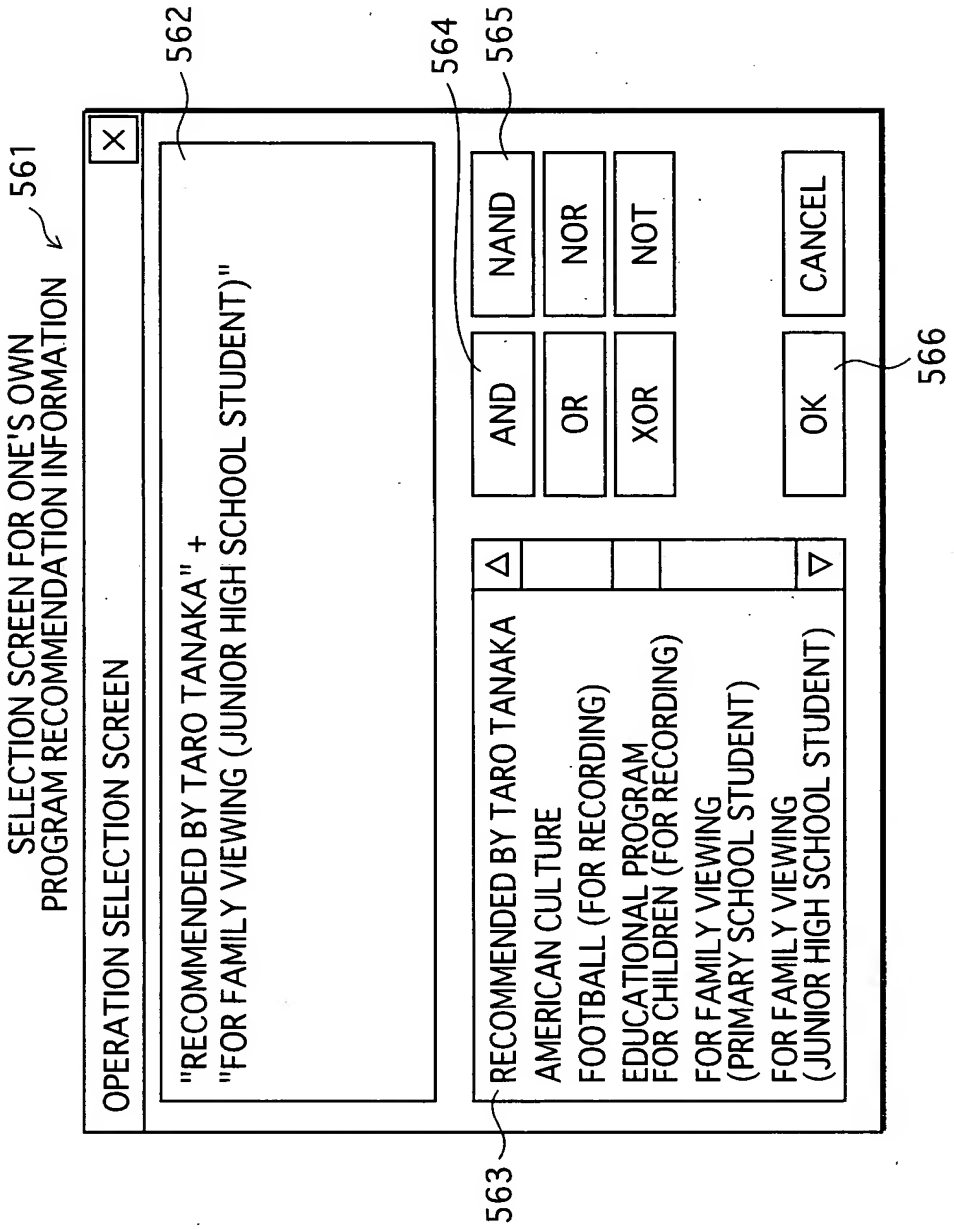

SELECTION SCREEN FOR ONE'S OWN PROGRAM RECOMMENDATION INFORMATION
561
OPERATION SELECTION SCREEN
562
"RECOMMENDED BY TARO TANAKA" +
"FOR FAMILY VIEWING (JUNIOR HIGH SCHOOL STUDENT)"
563
RECOMMENDED BY TARO TANAKA
AMERICAN CULTURE
FOOTBALL (FOR RECORDING)
EDUCATIONAL PROGRAM FOR CHILDREN (FOR RECORDING)
FOR FAMILY VIEWING (PRIMARY SCHOOL STUDENT)
FOR FAMILY VIEWING (JUNIOR HIGH SCHOOL STUDENT)
564
AND
OR
XOR
565
NAND
NOR
NOT
OK
CANCEL
566

FIG.32

135

PERSONAL INFORMATION STORAGE UNIT

801

SEARCH FORMULA TABLE

VIEWER ID	SEARCH FORMULA
ID_A	FORMULA A
ID_B	FORMULA B
ID_C	FORMULA C

811

PROGRAM SEARCH INFORMATION

SEARCH FORMULA A+SEARCH FORMULA B+SEARCH FORMULA C

821

TIME PERIOD TABLE

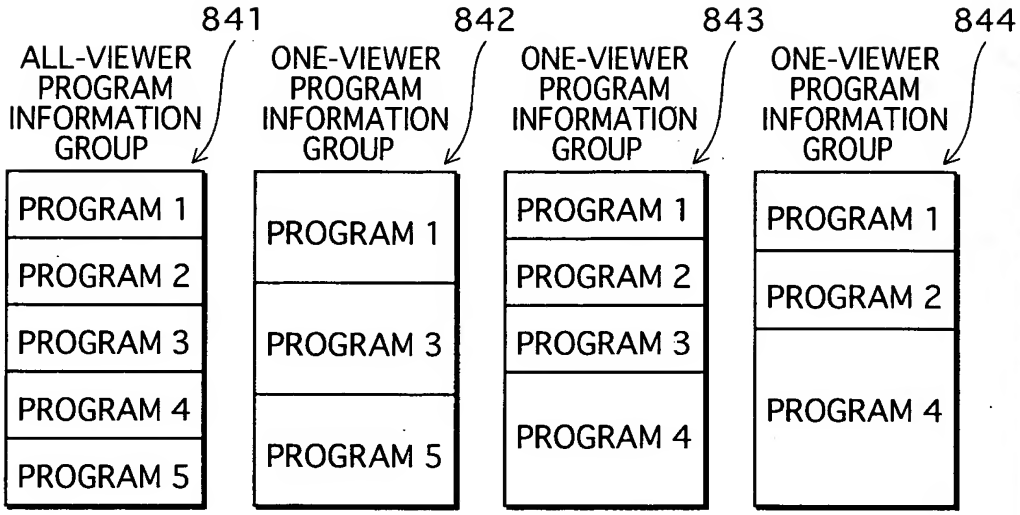
VIEWER ID	TIME PERIOD
ID_A	MARCH 11, 2005 19:00~23:00
ID_B	MARCH 11, 2005 20:00~23:30
ID_C	MARCH 11, 2005 21:00~22:00

831

PRIORITY TABLE

VIEWER ID	PRIORITY
ID_A	0.5
ID_B	0.25
ID_C	0.25

FIG.33



851

PRIORITY CALCULATION TABLE

VIEWER / PROGRAM ID	VIEWER A	VIEWER B	VIEWER C	TOTAL
PROGRAM 1	0.5	0.25	0.25	1.0
PROGRAM 2	—	0.25	0.25	0.5
PROGRAM 3	0.5	0.25	—	0.75
PROGRAM 4	—	0.25	0.25	0.5
PROGRAM 5	0.5	—	—	0.5

FIG.34

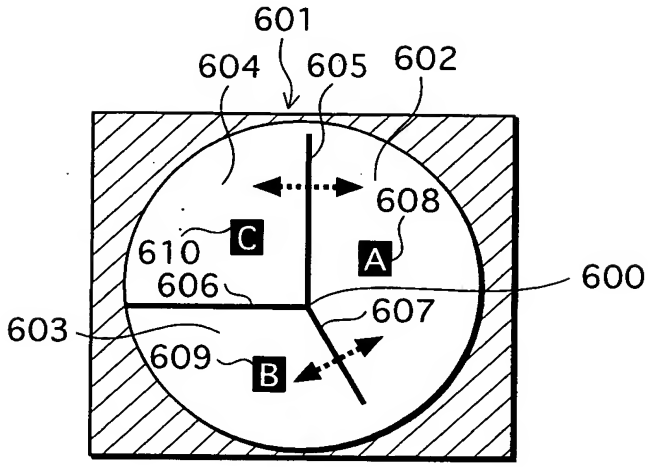


FIG.38

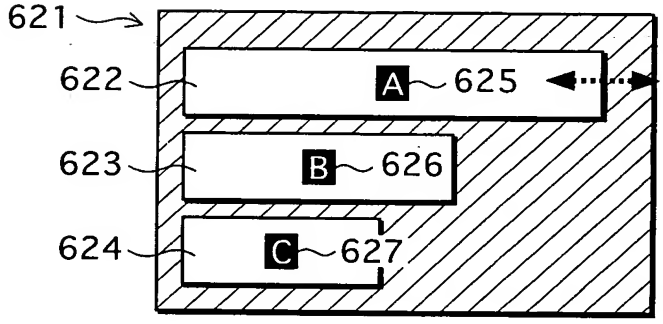


FIG.39

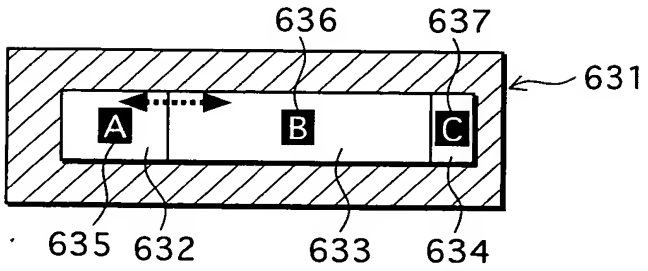


FIG.35

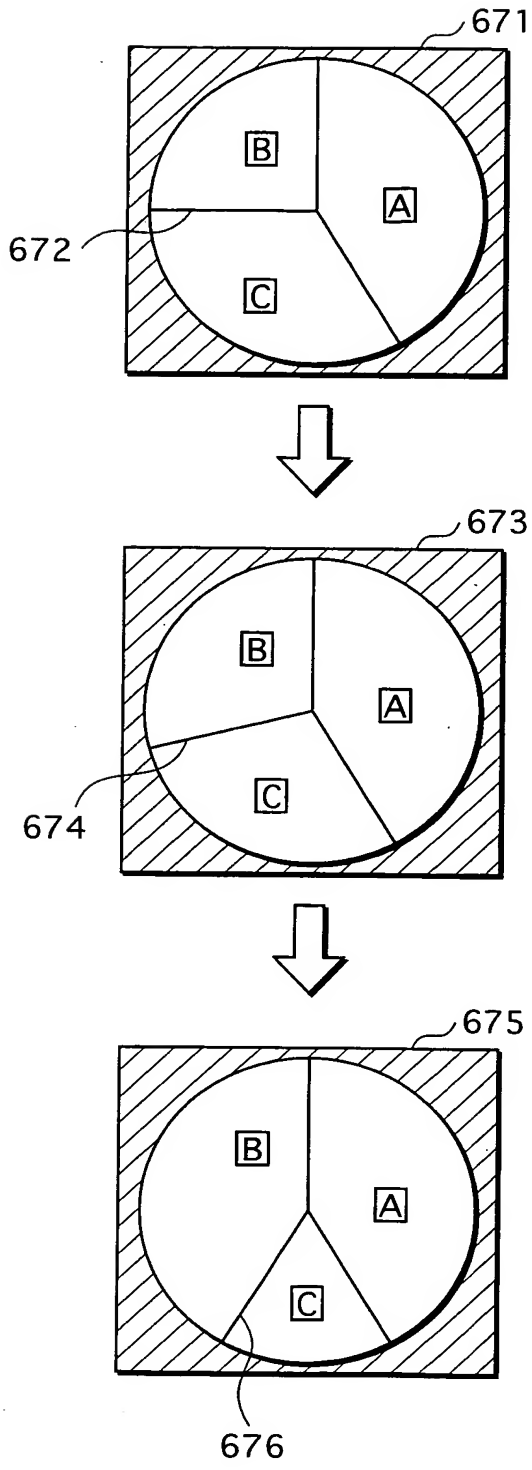


FIG.36

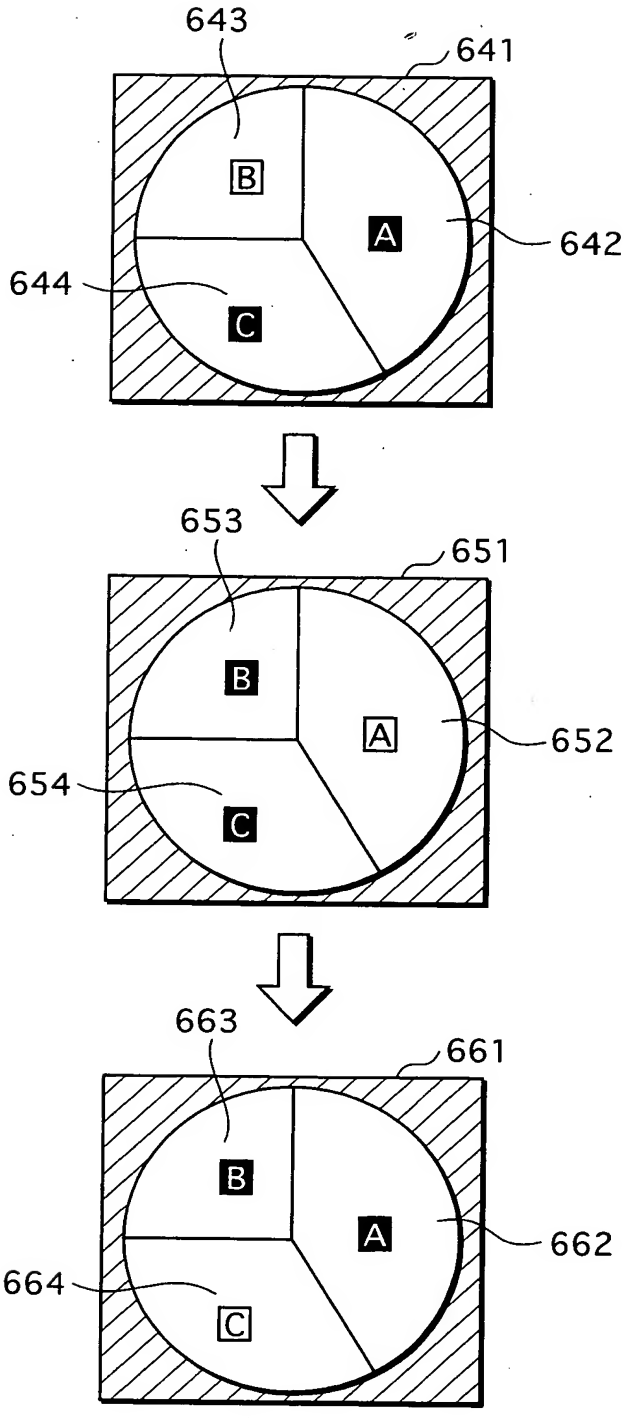


FIG.37

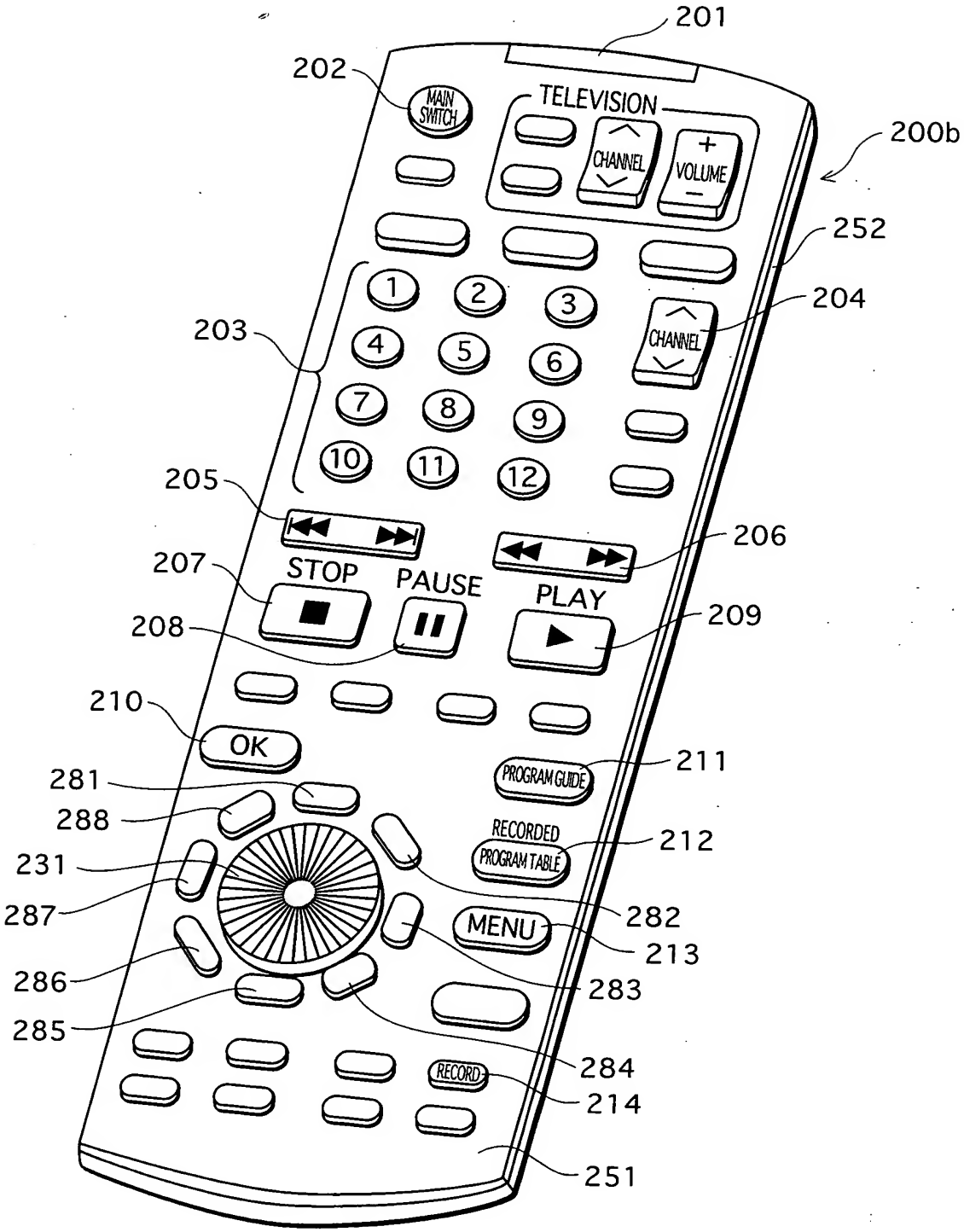

201
202
MAIN SWITCH
TELEVISION
CHANNEL
VOLUME
200b
252
204
203
1
2
3
4
5
6
7
8
9
10
11
12
205
206
207
STOP
PAUSE
PLAY
208
209
210
OK
211
281
PROGRAM GUIDE
288
RECORDED PROGRAM TABLE
212
231
282
287
MENU
213
286
283
285
284
RECORD
214
251

FIG.40

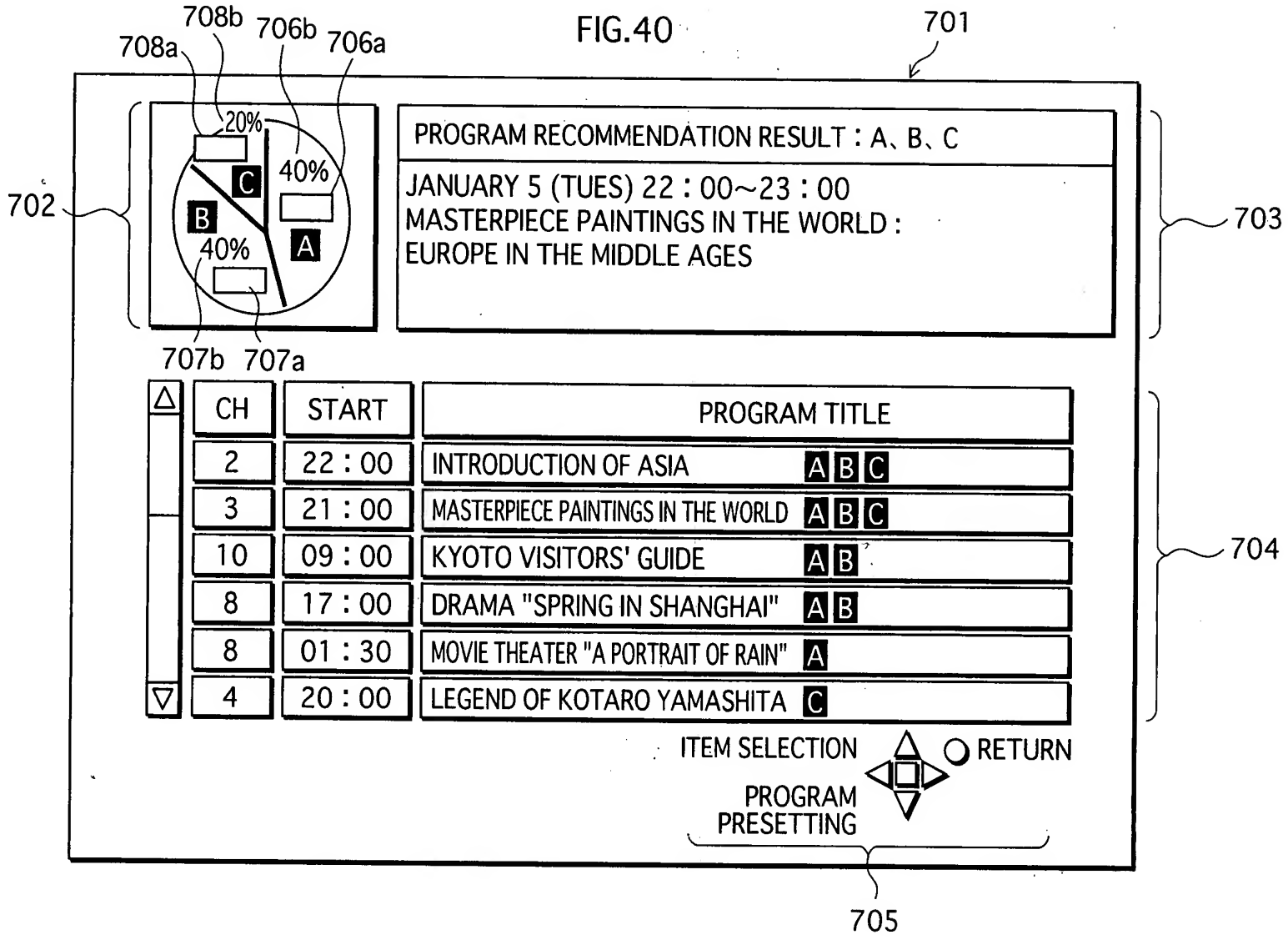

701
708a
708b
706b
706a
20%
40%
40%
C
B
A
702
PROGRAM RECOMMENDATION RESULT : A、B、C
JANUARY 5 (TUES) 22 : 00~23 : 00
MASTERPIECE PAINTINGS IN THE WORLD :
EUROPE IN THE MIDDLE AGES
703
707b
707a
CH
START
PROGRAM TITLE
2 22 : 00 INTRODUCTION OF ASIA A B C
3 21 : 00 MASTERPIECE PAINTINGS IN THE WORLD A B C
10 09 : 00 KYOTO VISITORS' GUIDE A B
8 17 : 00 DRAMA "SPRING IN SHANGHAI" A B
8 01 : 30 MOVIE THEATER "A PORTRAIT OF RAIN" A
4 20 : 00 LEGEND OF KOTARO YAMASHITA C
704
ITEM SELECTION
RETURN
PROGRAM PRESETTING
705

FIG.41

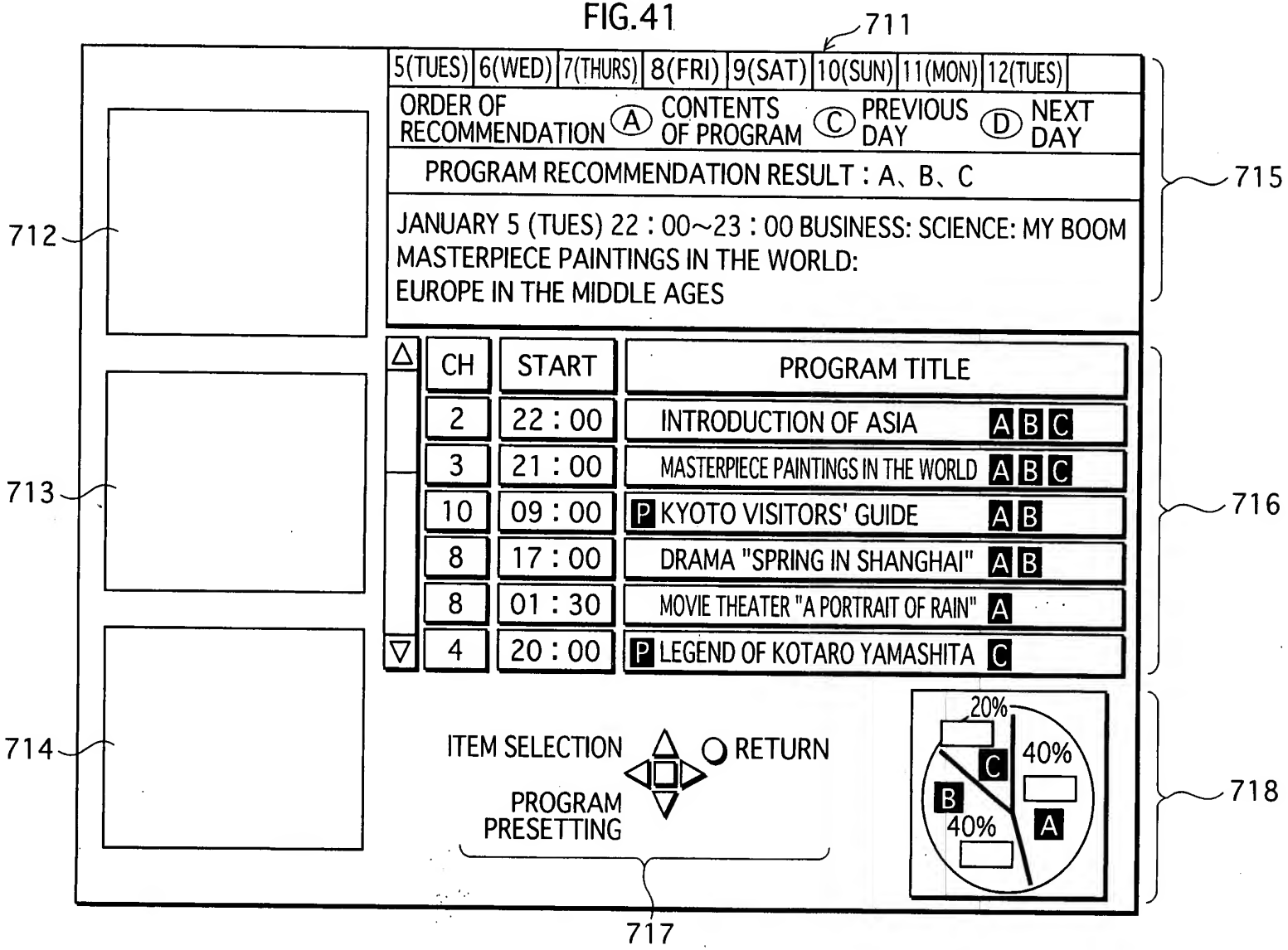

711
5(TUES) 6(WED) 7(THURS) 8(FRI) 9(SAT) 10(SUN) 11(MON) 12(TUES)
ORDER OF RECOMMENDATION
Ⓐ CONTENTS OF PROGRAM
Ⓒ PREVIOUS DAY
Ⓓ NEXT DAY
PROGRAM RECOMMENDATION RESULT : A、B、C
JANUARY 5 (TUES) 22 : 00~23 : 00 BUSINESS: SCIENCE: MY BOOM
MASTERPIECE PAINTINGS IN THE WORLD:
EUROPE IN THE MIDDLE AGES
715
712
713
714
CH
START
PROGRAM TITLE
2 22 : 00 INTRODUCTION OF ASIA A B C
3 21 : 00 MASTERPIECE PAINTINGS IN THE WORLD A B C
10 09 : 00 P KYOTO VISITORS' GUIDE A B
8 17 : 00 DRAMA "SPRING IN SHANGHAI" A B
8 01 : 30 MOVIE THEATER "A PORTRAIT OF RAIN" A
4 20 : 00 P LEGEND OF KOTARO YAMASHITA C
716
ITEM SELECTION
RETURN
PROGRAM PRESETTING
717
20%
40%
40%
A
B
C
718

FIG.42

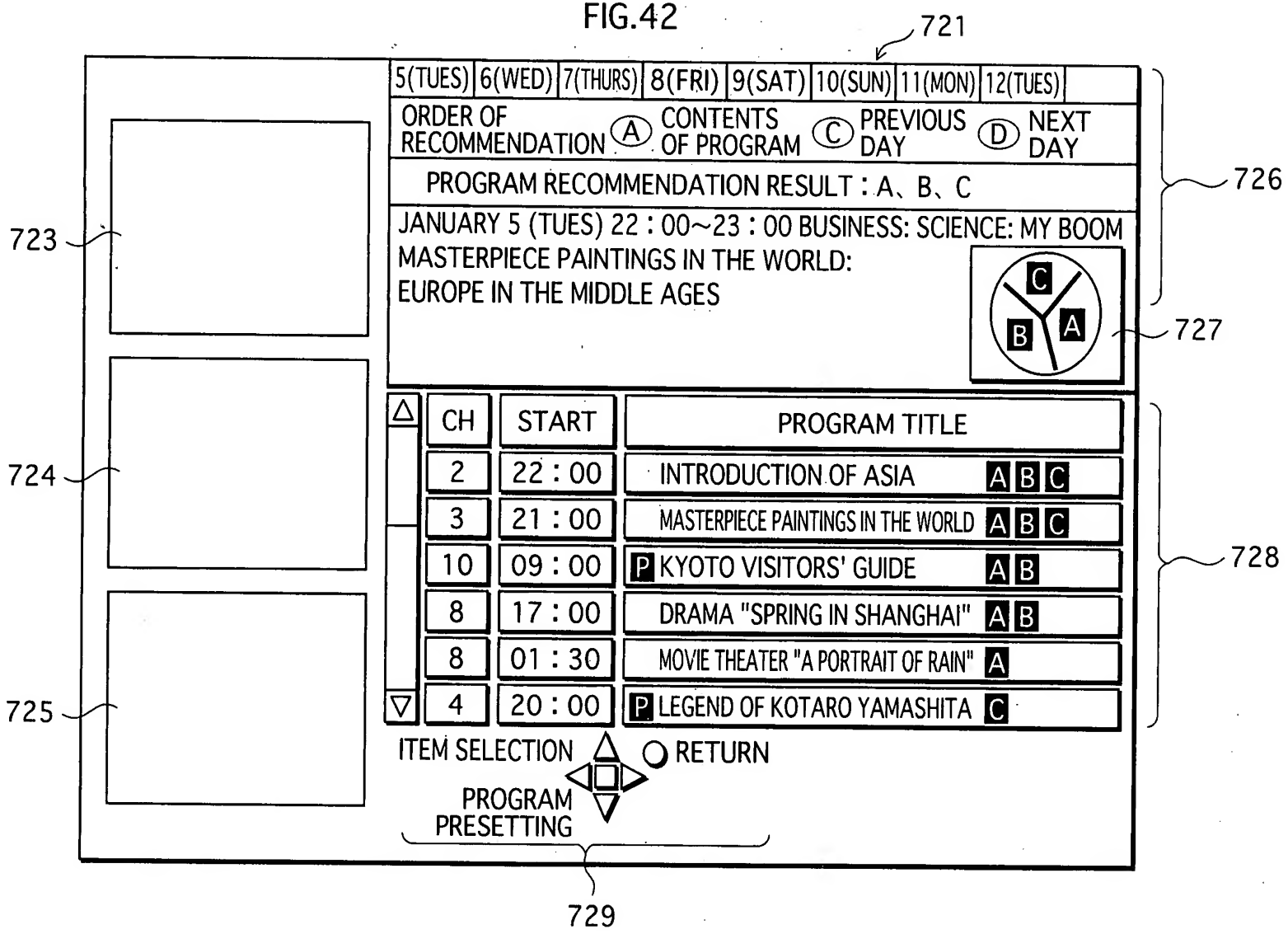
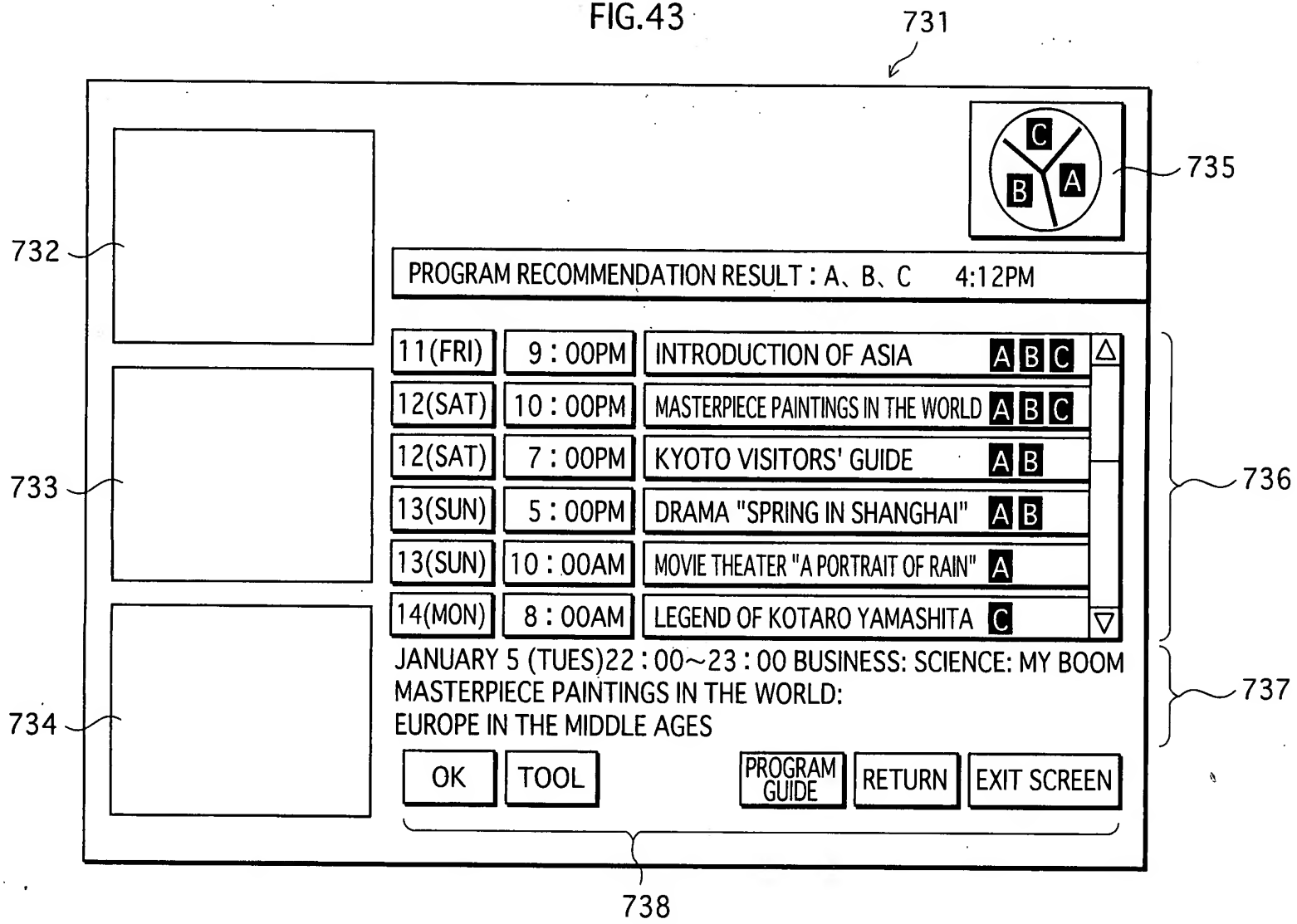

721
5(TUES)
6(WED)
7(THURS)
8(FRI)
9(SAT)
10(SUN)
11(MON)
12(TUES)
ORDER OF RECOMMENDATION
A
CONTENTS OF PROGRAM
C
PREVIOUS DAY
D
NEXT DAY
PROGRAM RECOMMENDATION RESULT : A、B、C
JANUARY 5 (TUES) 22 : 00~23 : 00 BUSINESS: SCIENCE: MY BOOM
MASTERPIECE PAINTINGS IN THE WORLD:
EUROPE IN THE MIDDLE AGES
C
B
A
726
727
723
724
725
CH
START
PROGRAM TITLE
2 22 : 00 INTRODUCTION OF ASIA A B C
3 21 : 00 MASTERPIECE PAINTINGS IN THE WORLD A B C
10 09 : 00 P KYOTO VISITORS' GUIDE A B
8 17 : 00 DRAMA "SPRING IN SHANGHAI" A B
8 01 : 30 MOVIE THEATER "A PORTRAIT OF RAIN" A
4 20 : 00 P LEGEND OF KOTARO YAMASHITA C
728
ITEM SELECTION
RETURN
PROGRAM PRESETTING
729

FIG.43


731
735
C
B
A
732
PROGRAM RECOMMENDATION RESULT : A、B、C 4:12PM
11(FRI) 9 : 00PM INTRODUCTION OF ASIA A B C
12(SAT) 10 : 00PM MASTERPIECE PAINTINGS IN THE WORLD A B C
12(SAT) 7 : 00PM KYOTO VISITORS' GUIDE A B
13(SUN) 5 : 00PM DRAMA "SPRING IN SHANGHAI" A B
13(SUN) 10 : 00AM MOVIE THEATER "A PORTRAIT OF RAIN" A
14(MON) 8 : 00AM LEGEND OF KOTARO YAMASHITA C
733
736
JANUARY 5 (TUES)22 : 00~23 : 00 BUSINESS: SCIENCE: MY BOOM
MASTERPIECE PAINTINGS IN THE WORLD:
EUROPE IN THE MIDDLE AGES
734
737
OK
TOOL
PROGRAM GUIDE
RETURN
EXIT SCREEN
738